RISE with SAP S/4HANA Cloud, private edition
Service Description Guide ("SDG")

1. DEFINITIONS

In addition to the Usage Metrics Definitions, certain Cloud Services in this SDG may include additional explanations on the applicable usage metric.

1.1. **"% of Net Recurring Fee"** is the stated percentage multiplied by the stated net recurring fee.

1.2. **"Active User"** is any individual who accesses the Cloud Service.

1.3. **"API Call"** is the communication of an action to or from the Cloud Service to or from another system/technology that occurs via a defined application programming interface.

1.4. **"Assets Under Management"** is the total value of all assets managed via the Cloud Service.

1.5. **"Capacity Unit"** is a ratio of services consumed via the Cloud Service and is calculated as set forth in the respective Product Supplement, Service Description Guide or Service Use Description.

1.6. **"Cloud Credit"** is the total prepaid amount of money available for the consumption of eligible services for the Cloud Service.

1.7. **"Connection"** is a linkage between the Cloud Service and another system/technology.

1.8. **"Contact"** is each individual data object for each customer, prospect, business partner, or constituent profile managed via the Cloud Service.

1.9. **"Cost of Goods"** is all expenses associated with the production and/or procurement of goods processed via the Cloud Service.

1.10. **"Document"** is a record of commercial transactional data managed via the Cloud Service.

1.11. **"Entitlements Package"** is a set of defined entitlements, as set forth in the respective Product Supplement, Service Description Guide or Service Use Description.

1.12. **"Flat Fee"** is a fixed fee for the Cloud Service.

1.13. **"Full Use Equivalent"** is the aggregation method by which Customer may allocate individuals access to the Cloud Service in accordance with the ratios set forth in the respective Cloud Supplement, Service Description Guide or Service Use Description.

1.14. **"Gigabyte"** is the amount of capacity in the Cloud Service.

1.15. **"Gross Merchandise Value"** is the gross sales revenue for products and/or services processed via the Cloud Service.

1.16. **"Object"** is a data object, representing any physical object, managed via the Cloud Service.

1.17. **"Order"** is each individual sales and service order data object managed via the Cloud Service.

1.18. **"Point of Delivery"** is the active metering point where a utility service is supplied or determined, as managed via the Cloud Service.

1.19. **"Record"** is each individual data object managed via the Cloud Service.

1.20. **"Resource"** is any authorized individual or physical asset accessing, being managed and/or monitored via the Cloud Service.

1.21. **"Revenue and Expense"** is the total amount of revenue and expenses processed via the Cloud Service.

1.22. **"Revenue"** is the total amount of revenue processed via the Cloud Service.

1.23. **"Spend"** is the total expenditures processed via the Cloud Service.

1.24. **"Supplier"** is each individual data object for a supplier account managed via the Cloud Service.

1.25. **"Tenant"** is a customer-specific instance of the Cloud Service.

1.26.   **"Ton"** is a measure of total weight, in 1,000 kilogram units, of goods managed via the Cloud Service.

1.27.   **"Transaction"** is any message, job, action, response, and/or task processed via the Cloud Service.

1.28.   **"User"** is any individual authorized to access the Cloud Service.

2.   GENERAL

2.1.   This Service Description Guide ("**SDG**") was last updated on March 6, 2023. It is effective between Customer and SAP as of the Order Form effective date.

2.2.   This SDG applies only to the SAP S/4HANA Cloud, private edition services to which Customer is subscribed. Any documents referenced herein are available upon request. For the avoidance of doubt, all non-productive development ("**DEV**"), testing, and quality assurance ("**QA**") may only be conducted in non-production environments.

2.3.   SAP reserves the right to reasonably limit the use of the services set forth in the Roles and Responsibilities Documentation (made available to you upon request or on the SAP website) initiated via a service request if Customer's use is unreasonably excessive. If any such limitation is imposed, Customer's usage shall be reviewed and assessed with Customer.

2.4.   Block Size

Block Size is 1 unless indicated otherwise.

2.5.   RISE 99.9% SLA Eligibility

Unless otherwise indicated in this SDG including with a marking of "N/A" which is understood to mean "not applicable," the Cloud Services listed in this SDG are eligible for the RISE 99.9% SLA where Customer purchases a subscription to SAP RISE 99.9% SLA, as indicated in an Order Form.

2.6   Maximum Block Size

Where Maximum Block Size is indicated in this SDG, there is no additional fee for Customer's use in excess of the Maximum Block Size, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

2.6.   Disaster Recovery and GxP Eligibility

Unless otherwise indicated in this SDG including with a marking of "**N/A**" which is understood to mean "not applicable," the Cloud Services listed in this SDG are eligible for enhanced disaster recovery and/or GxP where the Customer purchases a subscription to SAP S/4HANA Cloud, Disaster Recovery, private edition and/or SAP S/4HANA Cloud, GxP, private edition (as applicable), as indicated in an Order Form.

2.7.   System Size

2.7.1.   An additional tier can only be attained with a service package which includes infrastructure, where applicable.

2.7.2.   Delivery by hosting providers deviate per the table included at the end of this document.

3.   SAP HANA RUNTIME

3.1.   SAP HANA, runtime is a runtime database included in certain SAP S/4HANA Cloud, private edition packages ("**HANA Runtime**"). All SAP S/4HANA Cloud, private edition packages inclusive of HANA Runtime are subject to the following terms. HANA Runtime and the additional Cloud Service Software components included in HANA Runtime may only be used in conjunction with Customer's use of SAP S/4HANA Cloud, private edition packages.

HANA Runtime includes the limited use of the following additional Cloud Service Software components:

a.   SAP HANA Platform;

b.   SAP HANA Data Warehousing Foundation (limited solely to Data Distribution Optimizer and Data Lifecycle Manager components);

c.   SAP HANA Rules Framework;

	d.	SAP HANA, data privacy option;

d. SAP HANA, data privacy option;

e. SAP HANA, predictive option;

f. SAP HANA, spatial and graph option;

g. SAP HANA, search and text option;

h. SAP HANA, Smart Data Quality ("**SDQ**");

i. SAP Smart Data Integration ("**SDI**"); and

j. SAP HANA, native storage extension.

3.2. SAP HANA Platform includes the HANA Studio, Cockpit and Web IDE components. All data modeling, distribution, creation and extension of data structures, including tables and virtual tables via Smart Data Access used in HANA Runtime must be performed via the SAP S/4HANA Cloud, private edition Cloud Service. Use of SDI is limited solely to loading data into HANA Runtime or the SAP S/4HANA Cloud, private edition Cloud Service. Data may be loaded from an appropriately licensed Data Source via SDI or via SAP S/4HANA Cloud, private edition Cloud Service interfaces. SDI may also be used with Smart Data Access in a data federation scenario. Notwithstanding anything to the contrary, data may not be distributed from one SAP S/4HANA Cloud, private edition package to another at the HANA database level.

3.3. Customer may export data, using licensed SAP tools, to be used solely within one or more of the following:

a. SAP HANA, enterprise edition;

b. SAP HANA, standard edition;

c. SAP Cloud Platform, SAP HANA service;

d. SAP HANA Cloud;

e. SAP HANA, EE Cloud; and/or

f. SAP Data Warehouse Cloud.

3.4. Use of the SAP HANA Studio, Cockpit and Web IDE components is limited solely to administering, monitoring and creating custom views for the HANA Runtime database instance. All reporting must be performed via the SAP S/4HANA Cloud, private edition Cloud Service or via custom views created using HANA Studio or Web IDE. Such custom views may be accessed by SAP business intelligence ("**SAP BI**") tools or non-SAP business intelligence tools that are certified by SAP, as set forth in the SAP Certified Solutions Directory (see: https://www.sap.com/dmc/exp/2013_09_adpd/enEN/#/solutions?filters=v:326;v:405;v:352;v:86a26c34-126d-4a6d-a3c5-6c73deca1020).

3.5. HANA Runtime includes the optional, limited use of the following on-premise components: SAP Data Integrator ("**DI**") and SAP Landscape Transformation replication server ("**SLT**"). Use of DI and SLT is limited solely to loading data into HANA Runtime or the SAP S/4HANA Cloud, private edition Cloud Service.

4. CLOUD SERVICE SOFTWARE

4.1. The Cloud Service Software to which Customer is subscribed is subject to the release strategy, available at https://support.sap.com/releasestrategy. Customers must use a version or release of the Cloud Service Software, which is covered by Mainstream Maintenance or Extended Maintenance, if applicable.

4.2. Cloud Services listed below are grouped by sub-titles Core, Finance, Digital Supply Chain, Procurement, Human Experience Management, Enterprise Information Management, Oil and Gas, Insurance, Automotive, Life Sciences, Utilities, Consumer Products, Retail, Higher Education and Research, Public Sector, Customer Experience, Analytics, Middleware, Delivery by Hosting Providers.

CORE

5. RISE WITH SAP S/4HANA CLOUD, PRIVATE EDITION; RISE WITH SAP S/4HANA CLOUD, PRIVATE EDITION AND EXPERIENCE MANAGEMENT; RISE WITH SAP S/4HANA CLOUD, PRIVATE EDITION, PREMIUM; AND RISE WITH SAP S/4HANA CLOUD, PRIVATE EDITION, BASE

5.1. Usage Metric: Full Use Equivalent ("**FUE**"). Full Use Equivalent is the aggregation method by which Customer may allocate individuals access to the Cloud Service in accordance with the ratios set forth as follows.

a. 1 FUE = 0.50 SAP S/4HANA Cloud, Developer Access;

b. 1 FUE = 1 SAP S/4HANA Cloud for advanced use;

c. 1 FUE = 5 SAP S/4HANA Cloud for core use;

d. 1 FUE = 30 SAP S/4HANA Cloud for self-service use.

Customer may allocate each FUE to any one of the use types and may change the allocation during the subscription term. A Full Usage Equivalent cannot be divided between or among different use types.

5.2. S/4HANA Cloud for self-service use

5.2.1. Authorized Users (as defined in the GTC) are permitted to use the following solution capabilities of RISE with SAP S/4HANA Cloud, private edition: Available to Promise; Batch Management; Delivery Management; Goods Movement; Empties Management; Handling Unit Management; Maintenance Execution; Maintenance Demand Processing; Material Requirements Planning; Organizational Structure Management; Physical Inventory; Production Control; Production Execution; Self-Service Requisitioning; Serial Number Management; Time Sheet; Transportation Management; Warehouse Management.

5.2.2. The S/4HANA Cloud for self-service use also covers display use rights and approval use rights for all solution capabilities of the Cloud Service.

5.3. SAP S/4HANA Cloud for core use

5.3.1. Authorized Users (as defined in the GTC) are permitted to use the following solution capabilities of RISE with SAP S/4HANA Cloud, private edition: Account and Contact Management; Activity Management; Available to Promise; Customer Engagement; Batch Management; Business Solution Portfolio; Capacity Planning; Claims, Returns and Refund Management; Delivery Management; Empties Management; External Processing; Goods Movement; Handling Unit Management; Incentive and Commissions Management; In-House Repair; Inventory Analytics and Control; Just-in-time Processing; Kanban; Maintenance Execution; Maintenance Planning; Maintenance Demand Processing; Manufacturing Analytics; Master Data Maintenance; Material Requirements Planning; Opportunity Management; Organizational Structure Management; Physical Inventory; Price Management; Product Development Foundation; Production BOM Management; Production Control; Production Execution; Project Financial Control; Project Logistics Control; Quality Improvement; Quality Inspection; Quality Planning; Recipe/Routing Management; Repetitive Manufacturing; Returnable Packaging Logistics; Sales Billing; Sales Contract Management; Sales Lead Management; Sales Master Data Management; Sales Monitoring and Analytics; Sales Order Management and Processing; Sales Quotation Management; Sales Rebates Management; Self-Service Requisitioning; Serial Number Management; Service and Maintenance Plan; Service Billing; Service Contract Management; Service Fulfilment; Service Monitoring and Analytics; Service Order Management; Service Parts Fulfillment; Service Request Management; Subcontracting; Solution Billing; Solution Quotation Management; Technical Assets, Structure and History; Time Sheet; Transportation Management; Variant Configuration; Warehouse Management; Warranty Management.

5.3.2. The S/4HANA Cloud for core use also covers display use rights and approval use rights for all solution capabilities of the Cloud Service.

5.4. SAP S/4HANA Cloud for advanced use

Authorized Users (as defined in the GTC) are permitted to use all solution capabilities of the Cloud Service, inclusive of display and approval use rights.

5.5. SAP Developer Access

Use is allowed by the number of individuals included in the licensed level who are authorized to access the development tools provided with the licensed S/4HANA Enterprise Management Software for the purpose of making ABAP Addons to any S/4HANA Cloud, private edition packages.

5.6. Block size

Usage Tier	System Size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)	Application Servers
Up to 135 FUE**	XXS	Up to 256*	Up to 256	2

Up to 550 FUE	XS	Up to 256	Up to 256	3
Up to 1000 FUE	S	Up to 512	Up to 256	3
Up to 2000 FUE	M	Up to 1,024	Up to 256	Up to 5
Up to 4000 FUE	L	Up to 2,048	Up to 512	Up to 6
Up to 6000 FUE	XL	Up to 3,072	Up to 512	Up to 10
Above 6000 FUE	XXL	Up to 6,144	Up to 512	Up to 10

*No QA System Tier provided.
** For RISE with SAP S/4HANA Cloud, private edition, base option, this is the only available Usage Tier.

5.6.1. SAP Delivery may leverage application server sizes as indicated in the App Server Sizes Table below, which is subject to change in SAP's discretion.

5.6.2. Delivery by hosting providers other than SAP deviate for System Tier per the table included at the conclusion of this document.

5.6.3. Additional tier(s) available with the same system tiers and application servers as XXL.

5.7. App Server Sizes Table

System Size	PRD	QAS	DEV
XXS*	1x64GB	N/A	1x32GB
XS	1x64GB	1x64GB	1x32GB
S	1x64GB	1x64GB	1x32GB
M	2x64GB	2x64GB	1x32GB
L	2x128GB	2x128GB	2x64GB
XL	4x128GB	4x128GB	2x64GB
XXL	4x128GB	4x128GB	2x64GB
4XL	4x128GB	4x128GB	2x64GB

The App Server Sizes Table is subject to change in SAP's discretion.

* For RISE with SAP S/4HANA Cloud, private edition, base option, this is the only available System Size.

5.8. Additional Terms and Conditions

5.8.1. This Cloud Service includes:

a. SAP Cloud Connector (installed on separate servers*).

b. SAP Web Dispatcher (installed on separate servers*).

c. SAP Fiori embedded (installed on the S/4HANA Cloud System only).

d. SAP Data Provisioning Agent (installed on separate servers**, available on customer request).

e. SAP Analytics Cloud Agent (installed on separate servers***, available on customer request).

f. SAP Data Services Agent (installed on separate servers**, available on customer request).

Customer is required to obtain a subscription to the associated SAP Cloud Service in case of e) and f) above separately to use the integration agent provided with the Cloud Service.

*2x8GB for production and 1x8GB for non-production.

**2x16 for production and 1x16GB for non-production.

***1x8GB for production and non-production.

5.8.2. A subscription to the Cloud Service includes an on-premise component, Adobe Livecycle Designer, that can be downloaded and installed by the Customer. The System Availability Service Level does not apply to Adobe Livecycle Designer. Customer may only use the on-premise component during the Subscription Term. Adobe Livecycle Designer is not eligible for EU Access.

5.8.3. For RISE with SAP S/4HANA Cloud, private edition and experience management, each FUE comes with 10 Users of SAP Qualtrics Employee Technology Experience.

5.8.4. Cloud Feature(s)

A subscription to the Cloud Service includes limited use of the following optional Cloud Feature(s), which may only be used in conjunction with the Cloud Service:

a. **Forms as a Service by Adobe**. Customer may make up to 2,000,000 Forms Requests per year in Forms as a Service by Adobe for no additional fee. A single Form Request is counted for each document with up to 5 pages created using this Cloud Feature. The number of Form Requests for a document created with more than 5 pages is calculated by dividing the total pages of the document by 5. If the result of the calculation is not a whole number, the remainder shall be counted as a single Form Request. Form Requests for which a number of pages cannot be determined (e.g., digital signature request) are counted as a single Form Request. A contract year is a 12-month period beginning on the first day of the Subscription Term or its annual anniversary.

b. For the avoidance of doubt, (i) Cloud Features are provisioned on the SAP Cloud Platform or other multi-tenant cloud platform in a separate cloud instance/environment and in a different data center location, from S/4HANA Cloud, private edition Systems, (ii) Cloud Features do not include the same service elements that apply to the S/4HANA Cloud, private edition Systems, (iii) the Service Level Agreement does not apply to Cloud Features,

c. Each Cloud Feature is subject to its own supplemental terms and conditions (see: http://sap.com/agreements-cloud-services-product-supplement, also available from SAP upon request).

d. Additionally, this package includes HANA Runtime.

5.8.5. PLM system integration for SAP S/4HANA may only be used to integrate with SAP Enterprise Product Development. Usage of PLM system integration for SAP S/4HANA with other systems requires separate licensing.

5.9. S/4HANA Compatibility Pack

5.9.1. "**S/4HANA Compatibility Pack**" means an S/4HANA compatible copy of classical (non-S/4HANA) SAP ERP software ("**classical use**"). Only the S/4HANA Compatibility Pack provided as a part of the SAP ERP software is available as a part of this package as further described in Part 4 of the SAP S/4HANA Compatibility Scope Matrix referenced in SAP Note 2269324. The S/4HANA Compatibility Pack may be used by Customer until the earlier of

a. any termination or expiration of the Cloud Service subscription; or

b. the date referenced in SAP Note 2269324.

5.9.2. Certain features (including, for example, Core Travel Management), are not included as a part of S/4HANA Compatibility Pack as further described in the SAP S/4HANA Feature Scope Description.

5.10. Central User Administration

Where Customer has multiple systems, Customer shall utilize Central User Administration to monitor and maintain individual user IDs consistently across those systems. Alternatively, Customer shall manually monitor user IDs across its various systems. Customer shall remain within the Usage Metric and volume limitations indicated in the Order Form and any use outside of this scope as a result of duplicated individual user IDs may subject Customer to additional fees.

5.11. RISE with SAP S/4HANA Cloud, private edition, base option is not eligible for the SAP RISE 99.9% SLA.

5.12. **System Provisioning.** Unless Customer requests otherwise via a service request ticket, SAP may provision remaining Cloud Service systems at a later date than the first system.

5.13. Single Sign-On

This Cloud Service supports authentication/single sign-on features integrated with the Customer's existing Microsoft Active Directory. If the Customer is using SAP GUI, Secure Login Client has to be activated for use with SAP GUI to enable the integration.

6. SAP S/4HANA CLOUD, DIGITAL ACCESS, PRIVATE EDITION

6.1. Usage Metric: Document

6.2. RISE 99.9% SLA Eligibility: N/A

6.3. Document is a record of commercial transactional data managed via the Cloud Service. For this Cloud Service, the types of records that are counted as Documents are set forth as follows.

a. Sales Document means: (i) a line item record that represents the material and/or service being sold or quoted; and/or (ii) a record that represents an individual order/release against a scheduling agreement which indicates the material and/or service being sold.

b. Purchase Document means: (i) a line item record that represents the material and/or service being ordered or requested; and/or (ii) a record that represents the release against a scheduling agreement which indicates the material and/or service being procured.

c. Invoice Document means a line item record that represents the material and/or service being billed. For SAP S/4HANA Cloud, Digital Access only, an Invoice Document shall also include a line item record that represents a description of the material being purchased, including the material name, number and quantity of the material.

d. Manufacturing Document means: (i) a record which represents the production-related details associated with manufacturing a material, including: the type, quantity and color of what to produce, when to produce it, where to produce it and/or other distinguishing characteristics; and/or (ii) a record that represents a confirmation which indicates the status of the processing activities associated with manufacturing orders.

e. Material Document means a line item record that represents a specific material being received, issued or transferred to, from or within a storage location or plant.

f. Quality Management Document means: (i) a record that represents the details of a nonconformance being reported including the information required for problem solving; and/or (ii) a record that represents results of an inspection. For SAP S/4HANA Cloud Digital Access edition only, a Quality Management Document shall also include a record that represents the details of a nonconformance.

g. Service & Maintenance Document means: (i) a record that represents the details of work to be performed including the information needed to plan, execute and bill for a service or maintenance request; and/or (ii) a record that represents the details of a problem being reported including the information required for problem solving; and/or (iii) a record that represents the status of the processing associated with service orders and maintenance orders; and/or (iv) a record that represents a claim by a customer for repair or replacement or compensation for under - performance, pursuant to terms in a warranty document.

h. Financial Document means a record that represents accounting information in a financial journal.

i. Time Management Document means: (i) a record that represents an employee's time worked and assigned to business related objects; and/or (ii) a record that represents deviations from an employee's assigned work schedule and/or pay rate.

6.4. Block size: 1000.

6.5. Additional Terms and Conditions

6.5.1. This Service grants humans a right to use RISE with SAP S/4HANA Cloud, private edition ("**S/4C EM-PCE**") through Non-SAP Application(s) that is/are directly integrated to S/4C EM-PCE without the need to be licensed as a "**FUE**"; and non-humans (e.g. bots, sensors, chips, devices, etc.) a license to Use S/4C EM-PCE directly or through Non-SAP Application(s) that is/are directly integrated to S/4C EM-PCE and without the need to be licensed as a FUE.

6.5.2. Solely for purposes of SAP S/4HANA Cloud Digital Access:

a. S/4C EM-PCE shall not include SAP Business Warehouse Software.

b. "**Non-SAP Application(s)**" means: (i) any technologies for which Customer has secured an appropriate license from an entity other than SAP, SAP SE, and/or any of its/their subsidiaries and/or distributors (excluding

when used solely as a Connectivity App between an SAP Application and S/4C EM-PCE and further excluding when used as a User Interface for S/4 EM); and/or (ii) SAP Technology Solutions.

    c.   "**User Interface(s)**" means any technology that (i) Customer owns and/or for which Customer has secured appropriate rights to use and (ii) is used to develop/manage user interaction features and characteristics for S/4 EM. For the avoidance of doubt, User Interfaces for S/4 EM shall be deemed part of S/4 EM and therefore require human users using S/4 EM via such User Interfaces to have a "Named User" and/or "User" license for S/4 EM, as applicable.

    d.   "**SAP Technology Solution(s**)" means SAP NetWeaver Foundation for Third Party Applications, SAP Business Technology Platform (excluding when used solely as a Connectivity App between an SAP Application and S/4C EM-EX), SAP Signavio Solutions and SAP Process Insghts [including any renamed and/or successor versions of any of the foregoing made generally available by SAP (if any)].

    e.   "**Connectivity App(s)**" means any integration technology whose primary function is to directly connect disparate applications to enable the direct communication and/or management of data between such disparate applications by/through such integration technology.

    f.   "**SAP Application(s)**" means all Packages (i.e. all Software and Third-Party Software) licensed under an SAP agreement and/or SAP cloud services for which Customer has a valid subscription, excluding SAP Technology Solutions and all database Packages.

6.5.3.   All Digital Access of S/4C EM-PCE will be subscribed based exclusively upon the number of Documents created annually by such Digital Access of S/4C EM-EX. Each Document shall count as one (1) Document, except for Material Documents and Financial Documents which shall each count as two tenths (0.2) of a Document. However, where the automated processing in S/4C EM-PCE of a Document from one Document Type results in the subsequent creation in S/4C EM-PCE of one or more additional Documents of different Document Type(s), such additional Documents shall not be counted.

6.5.4.   Where a Non-SAP Application is connected to S/4C EM-PCE via a Connectivity App, such Non-SAP Application is still deemed directly integrated to S/4 EM for purposes of this provision. Any humans and/or non-humans Using S/4C EM-PCE through application(s) that is/are integrated to a Non-SAP Application that is directly integrated to S/4C EM-PCE do not need to be licensed as a "**FUE**".

7.   SAP S/4HANA CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION

7.1.   Usage Metric: Tenant

7.2.   Disaster Recovery Eligibility: N/A

7.3.   GxP Eligibility: N/A

7.4.   RISE 99.9% SLA Eligibility: N/A

7.5.   System size based on usage tier

System tier	Included size of productive system tier
XXS/XS	256 GB
S	512 GB
M	1024 GB
L	2048 GB
XL	3072 GB
XXL	6144 GB
4XL	12288 GB

The additional tier can only be subscribed with a service package which includes infrastructure and follows the same system size.

7.6. SAP S/4HANA Cloud, additional productive tier, private edition provides access to an additional productive tier of the respective SAP S/4HANA Cloud system and must be installed in the same location as the other Cloud Services.

8. SAP EXTENDED SERVICES FOR SAP S/4HANA CLOUD, PRIVATE EDITION

8.1. Usage Metric: Entitlements Package

8.2. RISE 99.9% SLA Eligibility: N/A

8.3. Disaster Recovery Eligibility: N/A

8.4. GxP Eligibility: N/A

8.5. Additional Terms and Conditions

This service includes "SAP Cloud Application Services for release version upgrade" and "SAP Cloud Application Services for application operations." Applicable Documentation for these services is available at https://www.sap.com/about/agreements/policies/hec-services.html?search=SAP%20Cloud%20Application%20Services&tag=language:english.

9. SAP FIORI HUB ON ASE CLOUD, PRIVATE EDITION

9.1. Usage Metric: Tenant

9.2. GxP Eligibility: N/A.

9.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
8 cores	XXS	32	32
8 cores	XS	32	32
8 cores	S	32	32
16 cores	M	64	64
16 cores	L	64	64
16 cores	XL	64	64

9.4. No dedicated QA system delivered for system size XXS.

10. SAP FIORI HUB ON ASE CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION

10.1. Usage Metric: Tenant

10.2. GxP Eligibility: N/A.

10.3. System size based on usage tier

System Size	Included size of productive system tier
XS	32
S	32
M	64
L	64
XL	64

11. SAP FIORI HUB ON ASE CLOUD, ADDITIONAL NON-PRODUCTIVE TIER, PRIVATE EDITION

11.1. Usage Metric: Tenant

11.2. Disaster Recovery Eligibility: N/A

11.3. GxP Eligibility: N/A

11.4. RISE 99.9% SLA Eligibility: N/A

11.5. System size based on usage tier

System Size	Included size of productive system tier
S	32
M	64
L	64
XL	64

12. SAP FIORI HUB ON HANA CLOUD, PRIVATE EDITION

12.1. Usage Metric: Tenant

12.2. System size based on usage tier

System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)	Application Servers (PRD/QA/DEV)	App Server Size in GB (PRD/QA/DEV)
XXS	Up to 192	Up to 192	1 / 0 / 1	16 / 0 / 16
XS	Up to 192	Up to 192	1 / 1 / 1	16 / 16 / 16
S	Up to 192	Up to 192	1 / 1 / 1	32 / 32 / 16
M	Up to 192	Up to 192	1 / 1 / 1	64 / 64 / 16
L	Up to 192	Up to 192	2 / 2 / 1	64 / 64 / 32
XL	Up to 192	Up to 192	2 / 2 / 1	128 /128 / 32

10.4 No dedicated QA system delivered for system size XXS.

13. SAP CONNECTION PACKAGE CLOUD FOR PRODUCTIVE TIERS, PRIVATE EDITION

13.1. Usage Metric: Tenant

13.2. Each SAP Connection Package Cloud for productive tiers, private cloud edition provides access to exactly one of the following cloud services in the context of a productive tier of the respective SAP S/4HANA Cloud system and must be installed in the same location as the underlying Cloud Service.

1.SAP Data Provisioning Agent (installed on separate servers).

2.SAP Data Services Agent (installed on separate servers).

13.3. 3.SAP Analytics Cloud Agent (installed on separate servers).

4.SAP Cloud Connector (installed on separate servers).

5.SAP Web Dispatcher (installed on separate servers).

13.4. 6.SAP Router (installed on separate servers).

7.SMTP Relay (Outbound)

8.VPN Connection

9.Direct line: MPLS (SAP DC) / Expressroute (Azure) / Direct Connect (AWS) / Interconnect (GCP)

10. Load Balancer (set of 5)

14. **SAP CONNECTION PACKAGE CLOUD FOR NON-PRODUCTIVE TIERS, PRIVATE EDITION**

14.1.   Usage Metric: Tenant

14.2.   Disaster Recovery Eligibility: N/A

14.3.   GxP Eligibility: N/A

14.4.   RISE 99.9% SLA Eligibility: N/A

14.5.   Each SAP Connection Package Cloud, for non-productive tiers, private cloud edition provides access to exactly one of the following cloud services in the context of a non-productive tier of the respective SAP S/4HANA Cloud system and must be installed in the same location as the underlying Cloud Service.

1.SAP Data Provisioning Agent (installed on separate servers).

2.SAP Data Services Agent (installed on separate servers).

14.6.   3.SAP Analytics Cloud Agent (installed on separate servers).

4.SAP Cloud Connector (installed on separate servers).

5.SAP Web Dispatcher (installed on separate servers).

14.7.   6.SAP Router (installed on separate servers).

7.VPN Connection

8. Direct line: MPLS (SAP DC) / Expressroute (Azure) / Direct Connect (AWS) / Interconnect (GCP)

14.8.   **CONNECTIVITY SERVER FOR ZSCALER, PRIVATE EDITION**

14.9.   Usage Metric: Tenant

14.10.   Disaster Recovery Eligibility: Yes

14.11.   GxP Eligibility: N/A.

14.12.   System size based on usage tier:

Usage tier	Connection Bandwith
S	up to 500 Mbits/s
M	up to 1 Gbits/s
L	up to 2 Gbits/s

15. **SAP S/4HANA CLOUD, DISASTER RECOVERY, PRIVATE EDITION**

15.1.   Usage Metric: % of Net Recurring Fee.

15.2.   Disaster Recovery Eligibility: N/A

15.3.   GxP Eligibility: N/A

15.4.   RISE 99.9% SLA Eligibility: N/A

15.5.   Additional Terms and Conditions

Documentation for this service is available at https://www.sap.com/about/agreements/policies/hec-services.html?sort=latest_desc&search=disaster

15.6.   Disaster Recovery Services Setup. The project to implement DR for the applicable PRD systems will be mutually agreed upon between SAP and Customer which shall entail detailed planning and as part of Customer's implementation project. The DR failover-capability to the secondary DR site for the systems in scope will be available upon completion of the setup based upon this jointly agreed plan.

16.   **SAP LONG TERM BACKUP, PRIVATE EDITION**

16.1.   Usage Metric: Gigabyte

16.2.   Block size: 256.

16.3.   Disaster Recovery Eligibility: N/A.

16.4.   GxP Eligibility: N/A.

16.5.   RISE 99.9% SLA Eligibility: N/A

16.6.   Long Term Backup Options

Frequency	Retention Period
Monthly	1 year
Quarterly	1 year
Yearly	2 years, 3 years or 4 years

17.   **SAP S/4HANA CLOUD, 4 HOUR RECOVERY TIME OBJECTIVE, PRIVATE EDITION**

17.1.   Usage Metric: % of Net Recurring Fee.

17.2.   Disaster Recovery Eligibility: N/A

17.3.   GxP Eligibility: N/A

17.4.   RISE 99.9% SLA Eligibility: N/A

17.5.   Additional Terms and Conditions

17.5.1.   Documentation for this service is available at: https://www.sap.com/about/agreements/policies/hec-services.html?sort=latest_desc&search=disaster

17.5.2.   SAP S/4HANA Cloud, 4 hour recovery time objective, private edition provides customers with a reduced standard RTO of 4 hours. This offering may only be used in conjunction with SAP S/4HANA Cloud, disaster recovery, private edition.

18.   **SAP CLOUD, MEMORY EXTENSION FOR PRODUCTIVE TIERS, PRIVATE EDITION**

18.1.   Usage Metric: Gigabyte

18.2.   Block Size: 256.

18.3.   With a subscription to SAP Cloud, memory extension for productive tiers, private edition, Customer is entitled to the HANA Runtime system sizing options (as validated by SAP) in Block Size increments as indicated in the table(s) at the conclusion of this SDG under the section titled "Delivery by Hosting Providers."

19.   **SAP CLOUD, MEMORY EXTENSION FOR NON-PRODUCTIVE TIERS, PRIVATE EDITION**

19.1.   Usage Metric: Gigabyte

19.2.   Block Size: 256.

19.3.   Disaster Recovery Eligibility: N/A

19.4.   GxP Eligibility: N/A

19.5.   RISE 99.9% SLA Eligibility: N/A

19.6.   With a subscription to SAP Cloud, memory extension for non-productive tiers, private edition, Customer is entitled to the HANA Runtime system sizing options (as validated by SAP) in Block Size increments as indicated in the table(s) at the end of this SDG under the section titled "Delivery by Hosting Providers."

20.   **SAP S/4HANA CLOUD, SYSTEM EXTENSION, PRIVATE EDITION**

20.1.   Usage Metric: Gigabyte

20.2. S/4HANA Cloud, memory extension, private edition allows the purchase of the standardized configuration of a higher infrastructure tier system without the purchase of additional FUEs. 6 system sizes are available, which include the configurations as described under S/4HANA Cloud for enterprise management, private edition. The applicable number of blocks (see table below) can be added to increase the system size.

20.3. Block size: 256.

20.4. System size based on usage tier

20.5. SAP S/4HANA Cloud for enterprise management, private edition

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)	Blocks needed for next system size tier
up to 550 FUE	XS	Up to 256	Up to 256	1
up to 1,000 FUE	S	Up to 512	Up to 256	2
up to 2,000 FUE	M	Up to 1,024	Up to 256	4
up to 4,000 FUE	L	Up to 2,048	Up to 512	4
up to 6,000 FUE	XL	Up to 3,072	Up to 512	12
above 6,000 FUE	XXL	Up to 6,144	Up to 512	24
-	4XL	Up to 12,288	Up to 1,024	

20.6. SAP S/4HANA Cloud for Extended Warehouse Management, extra stack, private edition

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)	Blocks needed for next system size tier
Up to 15 blocks	XXS	Up to 256*	Up to 256	1
Up to 30 blocks	XS	Up to 256	Up to 256	2
Up to 60 blocks	S	Up to 512	Up to 256	4
Up to 120 blocks	S	Up to 512	Up to 256	4
Up to 240 blocks	M	Up to 1,024	Up to 256	12
Up to 450 blocks	L	Up to 2,048	Up to 512	-
Up to 750 blocks	XL	Up to 3,072	Up to 512	
Above 750 blocks	XXL	Up to 6,144	Up to 512	

*No QA System Tier provided

21.   SAP ADDITIONAL FILE STORAGE, PRIVATE CLOUD EDITION

21.1. Usage Metric: Gigabyte

21.2. Block size: 100.

21.3. RISE 99.9% SLA Eligibility: N/A

21.4. Additional Storage can be applied to all none-core based private edition solutions.

21.5. SAP S/4HANA Cloud Addition Storage for Enterprise Management, private edition provides additional system size on top of priced-in infrastructure to increase capabilities for data storage and archiving.

22.   SAP APP SERVER LINUX CLOUD, PRIVATE EDITION

22.1. Usage Metric: Tenant

22.2. Up to 128 GB of Memory, in sizes of 32GB, 64GB or 128 GB.

22.3.   SAP APP SERVER LINUX CLOUD, PRIVATE EDITION is access to one additional Application Server(s). Application Server size is based on the respective system landscape usage tiers where it is added. Additional Application Server(s) can be applied to all private edition solutions where Application Server(s) are parts of the package and where is a need for Application Server(s) beyond the limited number in the packages.

23.   SAP S/4HANA CLOUD, ADDITIONAL (NON-PRD) TIER, PRIVATE EDITION

23.1.   Usage Metric: Tenant

23.2.   Disaster Recovery Eligibility: N/A

23.3.   GxP Eligibility: N/A

23.4.   RISE 99.9% SLA Eligibility: N/A

23.5.   System size based on usage tier

  a.   SAP S/4HANA Cloud for enterprise management, private edition

  b.   SAP S/4HANA Cloud for extended warehouse management, extra stack, private edition

  c.   SAP S/4HANA Cloud, Transportation Management, extra stack, private edition

  d.   SAP S/4HANA Cloud for Transportation Management for T&L, extra stack, private edition

System tier	Included size of non-productive system tier	Applicable for the Cloud Service
XXS/XS	256 GB	(a), (b)
S	512 GB	(a), (b)
M	1024 GB	(a), (b)
L	2048 GB	(a), (b)
XL	3072 GB	(a), (b)
XXL	6144 GB	(a), (b)
4XL	12288 GB	(a)

23.6.   SAP S/4HANA Cloud, addit tier, private edition is access to an additional non-productive tier of the respective SAP S/4HANA Cloud system. This tier may only be used for non-production purposes.

24.   SAP S/4HANA CLOUD, ENTERPRISE MANAGEMENT CUSTOMER EVALUATION SYSTEM, PRIVATE EDITION

24.1.   Usage Metric: Gigabyte

24.2.   Block size: 256.

24.3.   Disaster Recovery Eligibility: N/A

24.4.   GxP Eligibility: N/A

24.5.   RISE 99.9% SLA Eligibility: N/A

24.6.   System size based on usage tier

System size	System Tier QA RAM (GB)	System Tier DEV RAM (GB)
XS	256GB*	256
S	512GB*	256
* Only includes a non-production system. No PRD system is delivered.		

24.7.   Additional Terms and Conditions

24.7.1. S/4HANA Cloud, customer evaluation system, private edition includes non-productive usage only of RISE with SAP S/4HANA Cloud, private edition (formerly, Enterprise Management) and certain SAP S/4HANA Cloud, private edition Add-ons as determined by SAP and listed in this Service Description Guide. Release upgrades and SPS/FPS upgrades are not included in this service.

24.7.2. S/4HANA Cloud, customer evaluation system, private edition includes:

   a.   SAP Cloud Connector (installed on a separate server, available on customer request),

   b.   SAP Data Services Agent (installed on a separate server, available on customer request),

   c.   SAP Web Dispatcher (installed on a separate server)

   d.   SAP Fiori embedded (installed on the S/4HANA Cloud System only).

   e.   SAP Analytics Cloud Agent (installed on a separate server, available on customer request).

   Customer is required to obtain a subscription to the associated SAP cloud service under b) and e) separately to use the integration agent provided with SAP S/4HANA Cloud, customer evaluation system, private edition.

24.7.3. This package may only be used for non-production, evaluation purposes.

24.7.4. This package includes HANA Runtime.

25.   SAP SOLUTION MANAGER, PRIVATE EDITION, PROJECT DOCUMENTATION VERSION

25.1.   Usage Metric: Tenant

25.2.   Block size: 1

25.3.   Disaster Recovery Eligibility: N/A

25.4.   GxP Eligibility: N/A

25.5.   System size based on usage tier

System size	System Tier QA and PROD RAM (GB)	System Tier DEV RAM (GB)
One size	N/A	256

26.   SAP SOLUTION MANAGER, PRIVATE EDITION, FULL VERSION

26.1.   Usage Metric: Tenant

26.2.   Block size: 2.

26.3.   System size on usage tier

System size	System Tier PROD RAM (GB)	System Tier DEV RAM (GB)
One size	256	256

27.   SAP S/4HANA CLOUD FOR APPLICATION INTERFACE FRAMEWORK, PRIVATE EDITION

27.1.   Usage Metric: Transaction

27.2.   RISE 99.9% SLA Eligibility: N/A

27.3.   Block size: 1,000,000.

28.   SAP ARCHIVING AND DOCUMENT ACCESS CORE BY OPENTEXT, CLOUD CONNECTOR, PRIVATE EDITION

28.1.   Usage Metric: Flat Fee.

28.2.   RISE 99.9% SLA Eligibility: N/A

28.3.   Disaster recovery is provided for this Cloud Service only via a manual disaster recovery set-up and failover.

29. SAP HANA, EE CLOUD, UPGRADE, PRIVATE EDITION

29.1. Usage Metric: Gigabyte

29.2. RISE 99.9% SLA Eligibility: N/A

29.2.1. Block size: 256.

29.3. Additional Terms and Conditions

29.3.1. SAP HANA, EE Cloud, upgrade, private edition ("**HANA Enterprise**") is an upgrade to the SAP HANA database from HANA Runtime to HANA Enterprise. The required number of blocks is based on the productive system size.

29.3.2. "**Data Sources**" means any software product(s) and/or database instance(s) for which a user has secured an appropriate license.

29.3.3. HANA Enterprise may be used with an unlimited number of Data Sources, subject to the applicable licensed level. HANA Enterprise includes the following Runtime Software:

    a. SAP HANA Operation Process Intelligence;

    b. SAP HANA Data Warehousing Foundation;

    c. SAP HANA, information management option;

    d. SAP HANA, data privacy option;

    e. SAP HANA, spatial and graph option;

    f. SAP HANA, predictive option;

    g. SAP HANA, search and text option;

    h. SAP HANA native storage extension (Use of HANA Native Storage Extension Buffer Cache component is subject to the applicable licensed level).

29.4. A user may use Smart Data Access to query data from any data sources, provided a user's subscription to HANA Enterprise has been appropriately sized for all such data that is queried and joined with other data sources via Smart Data Access.

29.5. SAP HANA, information management option includes SAP HANA Smart Data Integration and Smart Data Quality.

29.6. Use of SAP HANA, data privacy option is limited solely to the SAP HANA Data Masking Engine, SAP HANA Data nonymization Engine, Column Encryption, and Shared SAP Business Application Authorizations.

29.7. Use of SAP HANA, predictive option is limited solely to the HANA PAL/R engine, Automated Predictive Library (APL), and TensorFlow integration.

29.8. Use of SAP HANA, search and text option is limited solely to the SAP HANA Search Engine and Text Analysis Engine.

29.9. Use of SAP HANA, spatial and graph option is limited solely to the SAP HANA Spatial Engine and Graph Engine. Use of SAP HANA Spatial Engine is governed by the following HERE "MAP DATA BY HERE" terms:

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30.   SAP HANA, EE CLOUD, BASE PACKAGE, PRIVATE EDITION

30.1.   Usage Metric: Tenant

30.2.   System size based on usage tier

	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
	XS	Up to 256	Up to 256

30.3.   Additional Terms and Conditions

30.3.1.   "**Data Sources**" means any software product(s) and/or database instance(s) for which a user has secured an appropriate license.

30.3.2.   HANA Enterprise may be used with an unlimited number of Data Sources, subject to the applicable licensed level. HANA Enterprise includes the following Runtime Software:

    a.   SAP HANA Operation Process Intelligence;

    b.   SAP HANA Data Warehousing Foundation;

    c.   SAP HANA, information management option;

    d.   SAP HANA, data privacy option;

    e.   SAP HANA, spatial and graph option;

    f.   SAP HANA, predictive option;

    g.   SAP HANA, search and text option;

    h.   SAP HANA native storage extension (use of HANA Native Storage Extension Buffer Cache component is subject to the applicable licensed level).

30.3.3.   A user may use Smart Data Access to query data from any data sources, provided a user's subscription to HANA Enterprise has been appropriately sized for all such data that is queried and joined with other data sources via Smart Data Access.

30.3.4.   SAP HANA, information management option includes SAP HANA Smart Data Integration and Smart Data Quality.

30.3.5.   Use of SAP HANA, data privacy option is limited solely to the SAP HANA Data Masking Engine, SAP HANA Data Anonymization Engine, Column Encryption, and Shared SAP Business Application Authorizations.

30.3.6.   Use of SAP HANA, predictive option is limited solely to the HANA PAL/R engine, Automated Predictive Library (APL), and TensorFlow integration.

30.3.7.   Use of SAP HANA, search and text option is limited solely to the SAP HANA Search Engine and Text Analysis Engine.

30.3.8.   HANA Enterprise includes the optional, limited use of the following on-premise components: SAP Data Integrator ("**DI**") and SAP Landscape Transformation replication server ("**SLT**"). Use of DI and SLT is limited solely to loading data into HANA Enterprise.

30.3.9.   Use of SAP HANA, spatial and graph option is limited solely to the SAP HANA Spatial Engine and Graph Engine. Use of SAP HANA Spatial Engine is governed by the following HERE "MAP DATA BY HERE" terms as set forth in Section 23.9 of this SDG.

31.   SAP HANA, EE CLOUD, ADDITIONAL CAPACITY, PRIVATE EDITION

31.1.   Usage Metric: Gigabyte

31.2.   Block size: 256.

31.3.   System size based on usage tier

System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)	Blocks needed for next system size tier

XS	Up to 256	Up to 256	1
S	Up to 512	Up to 256	2
M	Up to 1,024	Up to 256	4
L	Up to 2,048	Up to 512	4
XL	Up to 3,072	Up to 512	12
XXL	Up to 6,144	Up to 512	24
4XL	Up to 12,288	Up to 1,024	

31.4. Additional Terms and Conditions

31.4.1. The additional terms and conditions as indicated for "SAP HANA, EE Cloud, base package, private edition" apply to SAP HANA, EE Cloud, additional capacity, private edition.

31.4.2. SAP HANA, EE Cloud, additional capacity, private edition allows the purchase of the standardized configuration of a higher infrastructure tier system. Six system sizes are available, which include the configurations as described under SAP HANA, EE Cloud, base package, private edition. The applicable number of blocks (see table below) can be added to increase the system size.

32. SAP HANA, EE CLOUD, NON-PROD TIER, BASE PACKAGE, PRIVATE EDITION

32.1. Usage Metric: Tenant. Each Tenant license provides an additional non-productive tier of SAP HANA, EE Cloud, private edition with 256 GB of memory.

32.2. Disaster Recovery Eligibility: N/A.

32.3. GxP Eligibility: N/A.

32.4. Additional Terms and Conditions

32.4.1. SAP HANA, EE Cloud, non-prod tier, base package, private edition is access to an additional non-productive tier of the respective SAP HANA, EE Cloud, private edition system. This tier may only be used for non-production purposes.

32.4.2. The additional non-productive tier can only be subscribed with an SAP HANA, EE Cloud, base package, private edition which includes infrastructure and follows the same system size.

32.4.3. The additional terms and conditions as indicated for "SAP HANA, EE Cloud, base package, private edition" apply to SAP HANA, EE Cloud, non-prod tier, base package, private edition.

33. SAP HANA, EE CLOUD, NON-PROD TIER, ADDITIONAL CAPACITY, PRIVATE EDITION

33.1. Usage Metric: Gigabyte

33.2. Block size: 256.

33.3. Disaster Recovery Eligibility: N/A.

33.4. GxP Eligibility: N/A.

33.5. System size based on usage tier

System tier	Included size of non-productive system tier	Blocks needed for next system size tier
XS	Up to 256	1
S	Up to 512	2
M	Up to 1,024	4
L	Up to 2,048	4

XL	Up to 3,072	12
XXL	Up to 6,144	24
4XL	Up to 12,288	

33.6. The additional non-productive tier can only be subscribed with an SAP HANA, EE Cloud, base package, private edition (and, if applicable, SAP HANA, EE Cloud, additional capacity, private edition) which includes infrastructure and follows the same system size.

33.7. Additional Terms and Conditions

33.7.1. The additional terms and conditions as indicated for SAP HANA, EE Cloud, upgrade, private edition apply to SAP HANA, EE Cloud, non-prod tier, additional capacity, private edition.

33.7.2. SAP HANA, EE Cloud, non-prod tier, additional capacity, private edition allows the purchase of the additional non-productive tier of a higher infrastructure tier system. Six system sizes are available, which include the configurations as described under SAP HANA, EE Cloud, non-prod tier, base package, private edition. The applicable number of blocks (see table below) can be added to increase the system size.

34. SAP IQ COLD STORE CLOUD, PRIVATE EDITION

34.1. Usage Metric: Tenant

34.2. Disaster Recovery Eligibility: N/A.

34.3. GxP Eligibility: N/A.

34.4. RISE 99.9% SLA Eligibility: N/A

34.5. System based on usage tier.

Usage tier	System Size	System Tier PRD (TB)	System Tier Non-PRD (TB)
SAP IQ cold store Cloud, private edition (XS, 512 GB)	XS	0.5	0.5
SAP IQ cold store Cloud, private edition (S, 1 TB)	S	1	1
SAP IQ cold store Cloud, private edition (M, 3 TB)	M	3	3
SAP IQ cold store Cloud, private edition (L, 5 TB)	L	5	5
SAP IQ cold store Cloud, private edition (XL, 10 TB)	XL	10	10
SAP IQ cold store Cloud, private edition (XXL, 20 TB)	XXL	20	20
SAP IQ cold store Cloud, private edition (3XL, 30 TB)	3XL	30	30

1 non-productive tier included with System Tier Non-PRD.

34.6. This Cloud Service is limited to use in conjunction with:

    a. SAP Information Lifecycle Management, private cloud edition; or

    b. SAP BW/4HANA Cloud, private edition; or

    c. SAP BW NetWeaver Cloud, private edition.

35. SAP IQ COLD STORE CLOUD, ADDITIONAL NON-PRODUCTIVE TIER, PRIVATE EDITION

35.1. Usage Metric: Tenant

35.2. Disaster Recovery Eligibility: N/A.

35.3. GxP Eligibility: N/A.

35.4. RISE 99.9% SLA Eligibility: N/A

35.5. System based on usage tier.

Usage tier	System Size	System Tier Non-PRD (TB)
SAP IQ cold store Cloud, additional non-productive tier, private edition (XS, 512 GB)	XS	0.5
SAP IQ cold store Cloud, additional non-productive tier, private edition (S, 1 TB)	S	1
SAP IQ cold store Cloud, additional non-productive tier, private edition (M, 3 TB)	M	3
SAP IQ cold store Cloud, additional non-productive tier, private edition (L, 5 TB)	L	5
SAP IQ cold store Cloud, additional non-productive tier, private edition (XL, 10 TB)	XL	10
SAP IQ cold store Cloud, additional non-productive tier, private edition (XXL, 20 TB)	XXL	20
SAP IQ cold store Cloud, additional non-productive tier, private edition (3XL, 30 TB)	3XL	30

Provides a single, additional Non-PRD tier.

35.6. This Cloud Service is limited to use in conjunction with:

a. SAP Information Lifecycle Management, private cloud edition; or

b. SAP BW/4HANA Cloud, private edition; or

c. SAP BW NetWeaver Cloud, private edition.

36. SAP ADDITIONAL DATABASE STORAGE, PRIVATE CLOUD EDITION

36.1. Usage Metric: Gigabyte. SAP Additional Database Storage, private cloud edition provides additional system size on top of priced-in infrastructure to increase capabilities for database storage.

36.2. Block size: 100.

36.3. Additional Storage can be applied to all private edition solutions that include the HANA database (either HANA Runtime or HANA Enterprise).

37. SAP GENERAL PURPOSE JAVA SERVER CLOUD, PRIVATE EDITION

37.1. Usage Metric: Tenant

37.2. GxP Eligibility: N/A

37.3. System based on usage tier.

Usage tier	System Size	PROD AS RAM (GB)	Non-PRD AS RAM (GB)	DB RAM	DB Storage
SAP General Purpose Java Server Cloud, private edition (8 cores)	S	32 GB	32 GB	32 GB	100 GB
SAP General Purpose Java Server Cloud, private edition (16 cores)	M	64 GB	32 GB	32 GB	100 GB

	L	96 GB	32 GB	32 GB	100 GB
SAP General Purpose Java Server Cloud, private edition (24 cores)					

Supports general purpose NetWeaver Java usage types excluding BI-JAVA.

No dedicated system QA delivered for System Tier PROD.

38.   **SAP GENERAL PURPOSE JAVA SERVER CLOUD, ADDITIONAL NON-PRODUCTIVE, PRIVATE EDITION**

38.1.   Usage Metric: Tenant

38.2.   Disaster Recovery Eligibility: N/A

38.3.   GxP Eligibility: N/A

38.4.   RISE 99.9% SLA Eligibility: N/A

38.5.   System based on usage tier.

Usage tier	System Size	Non-PRD AS RAM (GB)	DB RAM	DB Storage
SAP General Purpose Java Server Cloud, additional non-productive, private edition (8 cores)	S	32 GB	32 GB	100 GB
SAP General Purpose Java Server Cloud, additional non-productive, private edition (16 cores)	M	64 GB	32 GB	100 GB
SAP General Purpose Java Server Cloud, additional non-productive, private edition (24 cores)	L	96 GB	32 GB	100 GB

SAP General Purpose Java Server Cloud, additional non-productive, private edition provides access to an additional non-productive system of SAP General Purpose Java Server Cloud, private edition.

This system may only be used for non-production purposes.

<div align="center">FINANCE</div>

39.   **SAP S/4HANA CLOUD FOR RECEIVABLES MANAGEMENT, PRIVATE EDITION**

39.1.   Usage Metric: Revenue

40.   **SAP S/4HANA CLOUD FOR CASH MANAGEMENT, PRIVATE EDITION**

40.1.   Usage Metric: User

40.2.   RISE 99.9% SLA Eligibility: N/A

40.3.   Block size: 1

41.   **SAP S/4HANA FINANCE FOR CASH MANAGEMENT, VERSION FOR CHINA, PRIVATE EDITION**

41.1.   Usage Metric: User

41.2.   Block size: 1

42.   SAP EXTENDED SINGLE SIGN-ON, PRIVATE CLOUD EDITION

42.1.   Usage Metric: Flat Fee.

42.2.   GxP Eligibility: N/A.

42.3.   RISE 99.9% SLA Eligibility: N/A

43.   SAP PROCESS CONTROL, PRIVATE CLOUD EDITION

43.1.   Usage Metric: User

44.   SAP RISK MANAGEMENT, PRIVATE CLOUD EDITION

44.1.   Usage Metric: User

45.   SAP AUDIT MANAGEMENT, PRIVATE CLOUD EDITION

45.1.   Usage Metric: User

46.   SAP IDENTITY MANAGEMENT, PRIVATE CLOUD EDITION

46.1.   Usage Metric: Resource.

46.2.   Block size: 100.

46.3.   Disaster Recovery Eligibility: N/A

46.4.   GxP Eligibility: N/A

46.5.   RISE 99.9% SLA Eligibility: N/A

46.6.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 20 blocks	S	128 GB	128 GB
Up to 50 blocks	M	256 GB	128 GB
Up to 200 blocks	L	512 GB	128 GB
More than 200 blocks	XL	950 GB	256 GB

47.   SAP ENTERPRISE THREAT DETECTION, PRIVATE CLOUD EDITION

47.1.   Usage Metric: Resource.

47.2.   Block size: 100.

47.3.   Disaster Recovery Eligibility: N/A

47.4.   GxP Eligibility: N/A

47.5.   RISE 99.9% SLA Eligibility: N/A

47.6.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 35 blocks	XS	256 GB	256 GB
up to 75 blocks	S	512 GB	512 GB
up to 200 blocks	M	960 GB	960 GB
up to 600 blocks	L	1984 GB	1984 GB

above 600 blocks	XL	2944 GB	2944 GB

48. SAP S/4HANA CLOUD FOR IN-HOUSE CASH, PRIVATE EDITION

48.1. Usage Metric: Revenue.

48.2. Block size: € 100 million (converted to local currency using SAP standard exchange rates).

49. SAP S/4HANA CLOUD FOR ADVANCED PAYMENT MANAGEMENT, PRIVATE EDITION

49.1. Usage Metric: Transaction. For this Cloud Service, the total number of payment items in a payment order are counted.

49.2. Block size: 1000).

50. SAP S/4HANA CLOUD FOR TREASURY AND RISK MANAGEMENT, PRIVATE EDITION

50.1. Usage Metric: Assets Under Management. For this cloud Service the total amount of all treasury positions is counted.

50.2. Block size: € 100 million (converted to local currency using SAP standard exchange rates).

50.3. Use of SAP S/4HANA Cloud Finance for treasury and risk management is limited to a maximum of one hundred active, investment-related security classes in the securities area.

50.4. In the SAP system each security (e.g. stocks) is a class. The class data includes all the structure characteristics of a security. Since the creation of transactions and the management of positions in the transaction manager are based on product types, each class needs to be assigned to a product type.

51. SAP S/4HANA CLOUD FOR TREASURY AND RISK MANAGEMENT CLOUD, IMPAIRMENT ACCOUNTING EXTENSION FOR EXPECTED LOSSES, PRIVATE EDITION

51.1. Usage Metric: Assets under Management.

51.2. RISE 99.9% SLA Eligibility: N/A

51.3. Block size: 1,000,000,000€.

51.4. This Cloud Service is limited to the following language versions.

a. Available log-on languages: Arabic, Bulgarian, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hindi, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese.

b. Available Documentation language: English

c. To report support incidents, please use message component: XX-PROJ-CDP-534.

52. SAP S/4HANA CLOUD FOR FINANCIAL CLOSING COCKPIT, PRIVATE EDITION

52.1. Usage Metric: Active User.

52.2. Block size: 500.

52.3. Maximum Block Size: 208 Blocks.

53. SAP S/4HANA CLOUD FOR CENTRAL FINANCE FOUNDATION, PRIVATE EDITION

53.1. Usage Metric: Revenue.

53.2. Block size: € 100 million (converted to local currency using SAP standard exchange rates).

53.3. Maximum Block Size: 1,000 Blocks.

53.4. Additional Terms and Conditions

53.4.1. S/4HANA Cloud for central finance foundation, private edition includes SAP Application Interface Framework. Use of SAP Application Interface Framework is limited to use in conjunction with S/4HANA Cloud for central finance foundation, private edition.

54. SAP S/4HANA CLOUD FOR REAL ESTATE MANAGEMENT CLOUD, RESIDENTIAL PROPERTY MGMT, PRIVATE EDITION

54.1. Usage Metric: Object.

54.2. Block size: 1,000.

55. SAP S/4HANA CLOUD FOR GROUP REPORTING, PRIVATE EDITION

55.1. Usage Metric: Object. For this Cloud Service, the total number of entities are counted. The entity in S/4HANA Cloud for Group Reporting corresponds to the consolidation unit.

55.2. Block size: 25.

55.3. 5 Entities of SAP S/4HANA Cloud for Group Reporting, private edition are included in each subscription of RISE with SAP S/4HANA Cloud, private edition (formerly, "enterprise management"); RISE with SAP S/4HANA Cloud, private edition, base; RISE with SAP S/4HANA Cloud, private edition and experience management; and RISE with SAP S/4HANA Cloud, private edition, premium. This does not include use rights for SAP Group Reporting for Data Collection.

55.4. Disaster Recovery does not extend to SAP Group Reporting for Data Collection.

56. SAP S/4HANA CLOUD FOR FINANCIAL ASSET MANAGEMENT, PRIVATE EDITION

56.1. Usage Metric: Assets under Management.

56.2. RISE 99.9% SLA Eligibility: N/A

56.3. Block size: € 100 million (converted to local currency using SAP standard exchange rates)

56.4. Additional Terms & Conditions: This Cloud Service provides usage rights to administrate securities, money market, foreign exchange and derivative instruments and performs corresponding subledger accounting activities according to several legislations in parallel. Loans Management and Statutory Reporting is not included in the solution and has to be subscribed to as separate add-ons.

57. SAP S/4HANA CLOUD FOR FINANCIAL ASSET MANAGEMENT, LOANS ADD-ON, PRIVATE EDITION

57.1. Usage Metric: Assets under Management.

57.2. RISE 99.9% SLA Eligibility: N/A

57.3. Block size: € 100 million (converted to local currency using SAP standard exchange rates)

57.4. Additional Terms & Conditions: This Cloud Service is a Fioneer solution. SAP S/4HANA Cloud for financial asset management, private edition is a prerequisite for this Cloud Service. This Cloud Service provides usage rights to administrate loans for the purpose of insurance asset management or corporate treasury. It performs corresponding subledger accounting activities according to several legislations in parallel. This Cloud Service does not provide use rights for the banking business.

58. SAP S/4HANA CLOUD FOR FINANCIAL ASSET MANAGEMENT, STATUTORY REPORTING ADD-ON, PRIVATE EDITION

58.1. Usage Metric: Assets under Management.

58.2. RISE 99.9% SLA Eligibility: N/A

58.3. Block size: € 100 million (converted to local currency using SAP standard exchange rates)

58.4. Additional Terms & Conditions: This Cloud Service is a Fioneer solution.   SAP S/4HANA Cloud for financial asset management, private edition is a prerequisite for this Cloud Service.

59. SAP S/4HANA CLOUD FOR ACCOUNTING INTEGRATION, PRIVATE EDITION

59.1. Usage Metric: Document.

59.2. RISE 99.9% SLA Eligibility: N/A

59.3. Block size: 10,000.

59.4. This Cloud Service is limited to the following language versions:

    a.   Available log-on language: English

    b.   Available Documentation language: English.

60.   SAP S/4HANA CLOUD FOR FINANCIAL THREE LINES OF DEFENSE, PRIVATE EDITION

60.1. Usage Metric: User.

61.   SAP S/4HANA CLOUD FOR TAX COMPLIANCE, PRIVATE EDITION

61.1. Usage Metric: User.

61.2. RISE 99.9% SLA Eligibility: N/A

61.3. Block size: 1

62.   SAP S/4HANA FOR ASSET RETIREMENT OBLIGATION , PRIVATE EDITION

62.1. Usage Metric: Spend.

62.2. RISE 99.9% SLA Eligibility: N/A

62.3. Block size: € 100 million.

63.   SAP S/4HANA CLOUD FOR PUBLIC SECTOR FOR TAX, SOCIAL SERVICES AND PAYMENT PROCESSING, PRIVATE EDITION

63.1. Usage Metric: Contact.

63.2. Block size: 10,000.

64.   SAP S/4HANA CLOUD FOR ACCESS CONTROL, PRIVATE EDITION

64.1. Usage Metric: Resource.

64.2. Block size: 100.

65.   SAP ACCESS CONTROL, EXTRA STACK, PRIVATE EDITION

65.1. Usage Metric: Resource.

65.2. Block size: 100.

65.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 50 block size	XS	256	256
up to 100 block size	S	256	256
up to 150 block size	M	256	256
up to 500 block size	L	512	256
up to 1000 block size	XL	950	256
above 1000 block size	XXL	1950	256

65.4. Disaster Recovery Eligibility: N/A (System Tier DEV)

65.5. GxP Eligibility: N/A (System Tier DEV)

65.6. RISE 99.9% SLA Eligibility: N/A (System Tier DEV)

66. SAP S/4HANA CLOUD FOR BUSINESS INTEGRITY SCREENING, PRIVATE EDITION

66.1. Usage Metric: User.

66.2. RISE 99.9% SLA Eligibility: N/A

66.3. Customer is allowed to create new tables and new views (database views, analytical views, projection views, attribute views, calculation views, etc.) on the database as long as they are used in the context of the SAP Business Integrity Screening for S/4HANA Cloud, private edition solution (e.g. to setup rules which access these tables/views).

67. SAP GLOBAL TRADE SERVICES, EDITION FOR HANA, PRIVATE CLOUD EDITION

67.1. Usage Metric: User.

67.2. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 50 Users	S	256	256
up to 100 Users	M	512	256
up to 150 Users	M	512	256
Above 150 Users	L	2048	256

67.3. This package includes HANA Runtime. SAP Global Trade Services, edition for HANA, private cloud edition only supports the electronic submission of customs declarations through the use of third parties, such as customs brokers, who can submit the declarations on behalf of the importer/exporter.

68. SAP GLOBAL TRADE SERVICES, ADDITIONAL NON-PRODUCTIVE, PRIVATE EDITION

68.1. Usage Metric: Tenant

68.2. Disaster Recovery Eligibility: N/A

68.3. GxP Eligibility: N/A

68.4. RISE 99.9% SLA Eligibility: N/A

68.5. System size based on usage tier

System size	System Tier Non-PRD RAM (GB)
S	256
M	512
L	950
XL	1950
XXL	2950

68.6. SAP Global Trade Services for SAP S/4HANA Cloud, additional non-productive, private edition provides access to an additional non-productive tier of SAP Global Trade Services for SAP S/4HANA Cloud, private edition. This system tier may only be used for non-production purposes.

69. SAP S/4HANA CLOUD FOR CONTRACT ACCOUNTING AND INVOICING, PRIVATE EDITION

69.1. Usage Metric: Revenue and Expense.

69.2. RISE 99.9% SLA Eligibility: N/A

69.3. Block size: €50 million (converted to local currency using SAP standard exchange rates)

70. SAP S/4HANA CLOUD FOR CONTRACT, LEASE AND REAL ESTATE MANAGEMENT, PRIVATE EDITION

70.1.   Usage Metric: Object.

70.2.   Master data objects are all unique records stored or managed in the Cloud Service.

70.3.   Master data objects are active real estate objects of type: contract; land; building or space.

70.4.   Block size: 100.

71. SAP COMMODITY RISK MANAGEMENT FOR SAP S/4HANA CLOUD, PRIVATE EDITION

71.1.   Usage Metric: Document

71.2.   Document is a record of commercial transactional data managed via the Cloud Service.

71.3.   For this cloud Service, the number of new and active commodity derivatives and exchange traded lot positions are counted

71.4.   Block size: 100

71.5.   Maximum Block Size: 450 Blocks

72. SAP S/4HANA CLOUD FOR BILLING AND REVENUE INNOVATION MANAGEMENT, PRIVATE EDITION, INFRASTRUCTURE FOR CONVERGENT CHARGING

72.1.   Usage Metric: Revenue and Expense.

72.2.   Block size: €50 million (converted to local currency using SAP standard exchange rates).

72.3.   GxP Eligibility: N/A.

72.4.   RISE 99.9% SLA Eligibility: N/A

72.5.   System size based on usage tier

Usage tier	System size	System Tier DEV RAM (GB)	System Tier PRD and QA RAM (GB)
up to 10 blocks of €50 million of Revenues & Expenses	XS	128	128
up to 30 blocks of €50 million of Revenues & Expenses	S	128	128
up to 60 blocks of €50 million of Revenues & Expenses	M	128	256
up to 120 blocks of €50 million of Revenues & Expenses	L	128	512
above 120 blocks of €50 million of Revenues & Expenses	XL	256	950

This package includes HANA Runtime.

73. SAP BILLING AND REVENUE INNOVATION MANAGEMENT CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION FOR CONVERGENT CHARGING

73.1.   Usage Metric: Tenant

73.2.   GxP Eligibility: N/A

73.3.   RISE 99.9% SLA Eligibility: N/A

73.4.   System size based on usage tier

System size	System Tier PRD
S	Up to 128
M	Up to 256
L	Up to 512
XL	Up to 950

74. SAP BILLING AND REVENUE INNOVATION MANAGEMENT CLOUD, ADDITIONAL NON PRODUCTIVE TIER, PRIVATE EDITION FOR CONVERGENT CHARGING

74.1. Usage Metric: Tenant

74.2. Disaster Recovery Eligibility: N/A

74.3. GxP Eligibility: N/A

74.4. RISE 99.9% SLA Eligibility: N/A

74.5. System size based on usage tier

System size	System Tier NON PROD
S	Up to 128
M	Up to 256
L	Up to 512
XL	Up to 950

This additional non-production system tier may only be used for non-production purposes.

75. SAP S/4HANA CLOUD FOR ENTERPRISE CONTRACT MANAGEMENT, PRIVATE EDITION

75.1. Usage Metric: Record. All "**Legal Transactions**" in status 'On Track', 'Pending', 'Open Issues' are counted as Records.

76. SAP S/4HANA CLOUD FOR FINANCIAL POSTING GATEWAY, PRIVATE EDITION

76.1. Usage Metric: Document. For this Cloud Service, accounting documents are counted.

76.2. RISE 99.9% SLA Eligibility: N/A

76.3. Block Size: 1,000,000

76.4. Additional Terms and Conditions: This Cloud Service is a Fioneer solution. This Cloud Service is restricted to customers who are not in the financial services industry.

77. SAP S/4HANA FINANCE FOR INVOICE AND REPORTING COMPLIANCE FOR ANGOLA, PRIVATE EDITION

77.1. Usage Metric: Revenue. For this Cloud Service revenues managed through the cloud service are counted.

77.2. Block size: € 10 million (converted to local currency using SAP standard exchange rates).

78.   SAP DOCUMENT AND REPORTING COMPLIANCE FOR S/4HANA CLOUD, PRIVATE EDITION

78.1.   Usage Metric: Object. For this Cloud Service, each company code and country combination is counted as an individual object.

78.2.   RISE 99.9% SLA Eligibility: N/A

78.3.   For this Cloud Service, entities mean the number of all company codes in a reporting country for which the Cloud Service generates or receives electronic documents or reports. Each company code and country combination is counted as an individual entity. This metric is counted in a contract year.

79.   SAP ADD-ON FOR POLISH SAF-T REGULATORY REQUIREMENTS, PRIVATE CLOUD EDITION

79.1.   Usage Metric: Object. For this Cloud Service, each company code and country combination is counted as an individual object.

79.2.   RISE 99.9% SLA Eligibility: N/A

79.3.   GxP Eligibility: N/A

79.4.   For this Cloud Service, entities mean the number of all company codes in for which the solution generates SAF-T reports. This metric is counted in a contract year.

79.5.   Block Size: 5

79.6.   This Cloud Service includes an on-premise component that can be downloaded and installed by the Customer on a Windows device. The System Availability Service Level does not apply to this component. Customer may only use the on-premise components during the Subscription Term.

80.   SAP TAX DECLARATION FRAMEWORK BRAZIL CLOUD, PRIVATE EDITION

80.1.   Usage Metric: Object. For this Cloud Service, each company code and country combination is counted as an individual object.

80.2.   RISE 99.9% SLA Eligibility: N/A

80.3.   Each company code and country combination is counted as an individual entity. This metric is counted in a contract year.

80.4.   Pre-requisite infrastructure (SAP Netweaver ABAP Server Cloud on HANA, private edition) is not included and must be subscribed to separately.

81.   SAP NETWEAVER ABAP SERVER CLOUD ON HANA, PRIVATE EDITION

81.1.   Usage Metric: Tenant

81.2.   GxP Eligibility: N/A

81.3.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)**	System Tier DEV RAM (GB)
SAP NetWeaver ABAP Server on HANA Cloud, private edition (S)	S	512	256
SAP NetWeaver ABAP Server on HANA Cloud, private edition (M)	M	1024	256
SAP NetWeaver ABAP Server on HANA Cloud, private edition (L)	L	2048	512
SAP NetWeaver ABAP Server on HANA Cloud, private edition (XL)	XL	3072	512
SAP NetWeaver ABAP Server on HANA Cloud, private edition (XXL)	XXL	6144	512
SAP NetWeaver ABAP Server on HANA Cloud, private edition (4XL)	4XL	12288	1024

**Delivery by hosting providers deviate per the table included at the conclusion of this document.

82. SAP S/4HANA REAL ESTATE DEVELOPMENT LIFECYCLE MANAGEMENT, PRIVATE EDITION

82.1. Usage Metric: Object. For this Cloud Service, active real estate projects are counted.

DIGITAL SUPPLY CHAIN

83. SAP S/4HANA CLOUD, TRANSPORTATION MANAGEMENT, EXTRA STACK, PRIVATE EDITION

83.1. Usage Metric: Spend. For this Cloud Service, only freight spend, which includes all costs incurred in transporting products, is counted.

83.2. Block size: €2,5 million (converted to local currency using SAP standard exchange rates).

83.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 40 blocks	XXS	Up to 256*	Up to 256
Up to 75 blocks	XS	Up to 256	Up to 256
Up to 125 blocks	S	Up to 512	Up to 256
Up to 200 blocks	M	Up to 1,024	Up to 256
Above 200 blocks	L	Up to 2,048	Up to 512

*No QA System Tier provided

83.4. Business Partners may provide information to or view information in SAP Transportation Management, cloud edition as part of the planning, execution or settlement of freight within SAP Transportation Management. Business Partners do not require an FUE license. This includes any user necessary for SAP Gateway access. This package includes HANA Runtime.

83.5. This package includes SAP Event Management on SAP S/4HANA, but use of SAP Event Management on SAP S/4HANA is limited to transportation processes covered by SAP Transportation Management, such as the tracking of freight orders and freight units.

84. SAP S/4HANA CLOUD FOR TRANSPORTATION MANAGEMENT FOR T&L, EXTRA STACK, PRIVATE EDITION

84.1. Usage Metric: Revenue.

84.2. Block size: € 2,5 million (converted to local currency using SAP standard exchange rates).

84.3. Maximum Block Size: 400 Blocks.

84.4. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 50 blocks	XS	256	256
Up to 100 blocks	S	256	256
Up to 150 blocks	M	512	256
Up to 200 blocks	L	512	256
Up to 300 blocks	XL	1,024	256

More than 300 blocks	XXL	2,048	512

84.5. Business Partners may provide information to or view information in SAP Transportation Management for T&L, cloud edition as part of the planning, execution or settlement of freight within SAP TM. Business Partners do not require an FUE license. This includes any user necessary for SAP Gateway access. This package includes HANA Runtime.

84.6. This package includes SAP Event Management on SAP S/4HANA, but use of SAP Event Management on SAP S/4HANA is limited to transportation processes covered by SAP Transportation Management, such as the tracking of freight orders and freight units.

85. SAP S/4HANA CLOUD BULK TRANSPORTATION EXTENSION FOR SAP AGRICULTURAL CONTRACT MANAGEMENT, PRIVATE EDITION

85.1. Usage Metric: Revenue and Expense.

85.2. RISE 99.9% SLA Eligibility: N/A

85.3. Block size: €10 million (converted to local currency using SAP standard exchange rates).

85.4. This Cloud Service is limited to the following language versions:

a. Available log-on languages: Danish, German, English, Spanish, Finish, French, Lithuanian, Polish, Portuguese, Russian, Slovak, Swedish

b. Available Documentation language: English.

85.5. Maximum Block Size: 7,000 Blocks

86. SAP S/4HANA CLOUD FOR TRANSPORTATION MANAGEMENT, PRIVATE EDITION

86.1. Usage Metric: Spend. For this Cloud Service, only freight spend, which includes all costs incurred in transporting products, is counted.

86.2. Block size: €2,5 million (converted to local currency using SAP standard exchange rates).

86.3. This package includes "SAP Event Management on SAP S/4HANA," but use of SAP Event Management on SAP S/4HANA is limited to transportation processes covered by SAP Transportation Management, such as the tracking of freight orders and freight units.

87. SAP S/4HANA CLOUD, TRANSPORTATION MANAGEMENT FOR T&L, PRIVATE EDITION

87.1. Usage Metric: Revenue.

87.2. RISE 99.9% SLA Eligibility: N/A

87.3. Block size: €2,5 million (converted to local currency using SAP standard exchange rates).

87.4. Additional Terms and Conditions

87.4.1. Business Partners may provide information to or view information in SAP Transportation Management for T&L, cloud edition as part of the planning, execution or settlement of freight within SAP TM. Business Partners do not require an FUE license. This includes any user necessary for SAP Gateway access.

87.4.2. This package includes SAP Event Management on SAP S/4HANA, but use of SAP Event Management on SAP S/4HANA is limited to transportation processes covered by SAP Transportation Management, such as the tracking of freight orders and freight units.

88. SAP S/4HANA CLOUD FOR EXTENDED WAREHOUSE MANAGEMENT, EXTRA STACK, PRIVATE EDITION

88.1. Usage Metric: Documents.

a. For the Shipper scenario, Documents are delivery line items. A delivery is the documentation for a shipment sent to/from a warehouse location to/from a destination (customer, vendor or other plant/location). The items of the delivery are the unique material codes irrespective of quantity shipped under that delivery.

b. For the Transit Warehousing scenario, Documents are the packaging items (Handling Units) moved through the system from origin to destination. The packaging items are counted only once in this process.

88.2.   Block size: 600,000.

88.3.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 15 blocks	XXS	Up to 256*	Up to 256
Up to 30 blocks	XS	Up to 256	Up to 256
Up to 60 blocks	S	Up to 512	Up to 256
Up to 120 blocks	S	Up to 512	Up to 256
Up to 240 blocks	M	Up to 1,024	Up to 256
Up to 450 blocks	L	Up to 2,048	Up to 512
Up to 750 blocks	XL	Up to 3,072	Up to 512
Above 750 blocks	XXL	Up to 6,144	Up to 512

*No QA System Tier provided

88.4.   Business Partners of Customer accessing SAP Extended Warehouse Management solutions solely to view the tracking status and report event messages do not require an FUE license. This package includes HANA Runtime.

89.   SAP S/4HANA CLOUD, SUPPLY CHAIN FOR EXTENDED WAREHOUSE MANAGEMENT, PRIVATE EDITION

89.1.   Usage Metric: Documents.

a.   For the Shipper scenario, Documents are delivery line items. A delivery is the documentation for a shipment sent to/from a warehouse location to/from a destination (customer, vendor or other plant/location). The items of the delivery are the unique material codes irrespective of quantity shipped under that delivery.

b.   For the Transit Warehousing scenario, Documents are the packaging items (Handling Units) moved through the system from origin to destination. The packaging items are counted only once in this process.

89.2.   Block size: 5,000.

90.   SAP S4HANA CLOUD SUPPLY CHAIN FOR EXTENDED SERVICE PARTS PLANNING, PRIVATE EDITION

90.1.   Usage Metric: Cost of Goods.

90.2.   RISE 99.9% SLA Eligibility: N/A

90.3.   Block size: 175,000,000 €.

90.4.   Max Usage: 280 blocks

91.   SAP YARD LOGISTICS FOR SAP S/4HANA CLOUD, PRIVATE EDITION

91.1.   Usage Metric: Object. For this Cloud Service, the number of transportation units entering or leaving the yard are counted.

91.2.   RISE 99.9% SLA Eligibility: N/A

91.3.   Block size: 5,000.

91.4.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, German, Russian, Portuguese; Spanish, Japanese

b.   Available Documentation languages: English, German.

92.   SAP S/4HANA CLOUD FOR ENVIRONMENT MANAGEMENT, PRIVATE EDITION

92.1.   Usage Metric: Record.

92.2.   Block size: 1,000.

93.   SAP S/4HANA CLOUD FOR EHS WORKPLACE SAFETY , PRIVATE EDITION

93.1.   Usage Metric: Record.

93.2.   Block size: 1,000.

94.   SAP S/4HANA CLOUD, ENTERPRISE PORTFOLIO AND PROJECT MANAGEMENT, PRIVATE EDITION, PROFESSIONAL

94.1.   Usage Metric: Active User.

95.   SAP S/4HANA CLOUD, ENTERPRISE PORTFOLIO AND PROJECT MANAGEMENT, PRIVATE EDITION, STANDARD

95.1.   Usage Metric: Active User.

95.2.   SAP S/4HANA Cloud for Enterprise Portfolio and Project Management, private edition, standard edition includes right to view project and portfolio information, use analytical capabilities, approve projects, phases and decision points, fill out questionnaires, provide input for financial and capacity planning, view and confirm assigned tasks and report project efforts. In addition, users are allowed to use cross project views and review commercial information of projects, create and manage project risks and project activities related to project risk, issue and change management.

96.   SAP S/4HANA CLOUD FOR ADVANCED VARIANT CONFIGURATION, PRIVATE EDITION, PROFESSIONAL VERSION

96.1.   Usage Metric: Active User.

96.2.   RISE 99.9% SLA Eligibility: N/A

97.   SAP S/4HANA CLOUD FOR ADVANCED VARIANT CONFIGURATION, PRIVATE EDITION, STANDARD VERSION

97.1.   Usage Metric: Active User.

97.2.   RISE 99.9% SLA Eligibility: N/A

98.   SAP S/4HANA CLOUD FOR R&D FOR ENTERPRISE PRODUCT FORMULATION, PRIVATE EDITION

98.1.   Usage Metric: Active User.

98.2.   RISE 99.9% SLA Eligibility: N/A

98.3.   This Cloud Service includes use of collaborative product development and product structure synchronization limited to recipe development functionality.

99.   SAP S/4HANA CLOUD FOR R&D FOR ENTERPRISE PRODUCT ENGINEERING, PRIVATE EDITION

99.1.   Usage Metric: Active User.

99.2.   This Cloud Service includes on-premise components that need to be downloaded and installed by the Customer as described in Documentation. The System Availability Service Level does not apply to this component. Customer may only use the on-premise components during the Subscription Term. Use of SAP 3D Visual Enterprise Generator is limited to 1 core of usage. Use of collaborative product development and product structure synchronization functionality is limited to discrete industry product development functionality.

100.   SAP S/4HANA CLOUD FOR MANUFACTURING FOR PLANNING AND SCHEDULING, PRIVATE EDITION

100.1.   Usage Metric: Cost of Goods.

100.2.   Block size: €100 million (converted to local currency using SAP standard exchange rates).

100.3.   Max usage: 500 Blocks

101. SAP S/4HANA CLOUD FOR MANUFACTURING FOR PLANNING AND SCHEDULING, EXTRA STACK, PRIVATE EDITION

101.1.   Usage Metric: Cost of Goods.

101.2.   Block size: €100 million (converted to local currency using SAP standard exchange rates).

101.3.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 5 blocks of 100 M COGS	XXS	Up to 256*	Up to 256
Up to 10 blocks of 100 M COGS	XS	Up to 256	Up to 256
Up to 20 blocks of 100 M COGS	S	Up to 512	Up to 256
Up to 40 blocks of 100 M COGS	S	Up to 512	Up to 256
Up to 100 blocks of 100 M COGS	M	Up to 1,024	Up to 256
Above 100 blocks of 100 M COGS	L	Up to 2,048	Up to 512

101.4.   This package includes HANA Runtime.

102. SAP S/4HANA CLOUD FOR MANUFACTURING FOR PRODUCTION ENGINEERING AND OPERATIONS, PRIVATE EDITION

102.1.   Usage Metric: Active User.

103. S/4HANA CLOUD FOR MANUFACTURING LOGISTICS, PRIVATE EDITION

103.1.   Usage Metric: Document. Shipper scenario items are delivery line items. A delivery is the documentation for a shipment sent to/from a warehouse location to/from a destination (customer, vendor or other plant/location). The items of the delivery are the unique material codes irrespective of quantity shipped under that delivery. The average per day is based on the active days over the period of 1 year;

103.2.   Transit Warehousing scenario - In transit warehousing delivery line items are not used. For the transit warehousing scenario, ITEMS are the packaging items (Handling Units) moved through the system from origin to destination. The packaging items are counted only once in this process. The average per day is based on the active days over the period of 1 year.

103.3.   Disaster Recovery Eligibility: N/A

103.4.   GxP Eligibility: N/A

103.5.   RISE 99.9% SLA Eligibility: N/A

103.6.   Block size: 5,000.

104. SAP MANUFACTURING EXECUTION CLOUD, PRIVATE EDITION

104.1.   Usage Metric: Resource

104.2.   GxP Eligibility: N/A

Size	System Tier	Database ('DB')/Application	DEV		QA		PROD	
			App Servers	RAM (GB)	App Servers	RAM (GB)	App Servers	RAM (GB)
XS	Up to 300	HANA as DB	1	256	1	256	1	256
		ME	1	32	1	32	1	32

S	301 to 1000	HANA as DB	1	256	1	256	1	256
		ME	1	32	2	32	2	32
M	1001 to 3000	HANA as DB	1	256	1	512	1	512
		ME	1	32	2	32	2	32
L	3001 to 6000	HANA as DB	1	256	1	1024	1	1024
		ME	1	32	3	32	3	32
XL	6001 - 10000	HANA as DB	1	256	1	2048	1	2048
		ME	1	32	3	32	3	32

105.   SAP S4HANA CLOUD FOR LAST MILE DISTRIBUTION, PRIVATE EDITION

105.1.   Usage Metric: Transaction. For this Cloud Service, all jobs, including those sent via bulk, batch or using Powerform, are counted.

105.2.   RISE 99.9% SLA Eligibility: N/A

105.3.   Block Size: 100,000

106.   SAP ENGINEERING CONTROL CENTER FOR SAP S/4HANA CLOUD, PRIVATE EDITION, PROFESSIONAL EDITION

106.1.   Usage Metric: Active User.

107.   SAP ENGINEERING CONTROL CENTER FOR SAP S/4HANA CLOUD, PRIVATE EDITION, STANDARD EDITION

107.1.   Usage Metric: Active User.

108.   SAP WORK CLEARANCE MANAGEMENT FOR SAP S/4HANA CLOUD, PRIVATE EDITION

108.1.   Usage Metric: Resource.

108.2.   Block size: 80,000.

109.   SAP SPATIAL ASSET MANAGEMENT FOR SAP S/4HANA CLOUD, PRIVATE EDITION

109.1.   Usage Metric: User.

110.   SAP S/4HANA CLOUD FOR ASSET MANAGEMENT FOR RESOURCE SCHEDULING, PRIVATE EDITION

110.1.   Usage Metric: Resource.

110.2.   RISE 99.9% SLA Eligibility: N/A

110.3.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: Chinese, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish

b.   Available Documentation languages: English, German.

111.   SAP S/4HANA CLOUD FOR ADVANCED AVAILABLE-TO-PROMISE, PRIVATE EDITION

111.1.   Usage Metric: Cost of Goods.

111.2.   Block size: €175 million (converted to local currency using SAP standard exchange rates).

111.3.   Maximum Block Size: 280 Blocks

112.   SAP S/4HANA CLOUD FOR PRODUCT COMPLIANCE, PRIVATE EDITION

112.1.   Usage Metric: Document. For this Cloud Service, Documents are sales orders, outbound deliveries, purchase orders, production orders, transportation orders, and compliance document output request items and are counted at the line-item level.

112.2.   Block size: 100,000

113.   SAP EHS MANAGEMENT FOR OCCUPATIONAL HEALTH FOR SAP S/4HANA CLOUD, PRIVATE EDITION

113.1.   Usage Metric: User. For this Cloud Service, an individual with a unique active profile and whose data is processed by the Cloud Service is counted.

113.2.   Block size: 100.

113.3.   Additional Term and Conditions

This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, German, French, Italian, Spanish, Russian, Portuguese, Chinese

b.   Available Documentation languages: English, German

c.   To report support incidents please use message component: EHS-SUS-OH.

114.   SAP COMMODITY MANAGEMENT FOR PHYSICAL CONTRACTS FOR SAP S/4HANA CLOUD, PRIVATE EDITION

114.1.   Usage Metric: Revenue and Expense.

114.2.   Block size: €10 million (converted to local currency using SAP standard exchange rates).

114.3.   Maximum Block Size: 7,000 Blocks

115.   SAP AGRICULTURAL CONTRACT MANAGEMENT FOR SAP S/4HANA CLOUD, PRIVATE EDITION

115.1.   Usage Metric: Revenue and Expense.

115.2.   Block size: €10 million (converted to local currency using SAP standard exchange rates).

115.3.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, Portuguese, German, French, Spanish, Finnish, Danish, Swedish, Lithuanian, Polish, Slovak, Russian

b.   Available Documentation languages: English, Portuguese, German, French, Spanish, Finnish, Danish, Swedish, Lithuanian, Polish, Slovak, Russian.

115.4.   Maximum Block Size: 7,000 Blocks

116.   SAP S/4HANA PLM SYSTEMS INTEGRATION CLOUD, PRIVATE EDITION

116.1.   Usage Metric: Active User

116.2.   GxP Eligibility: N/A

116.3.   RISE 99.9% SLA Eligibility: N/A

117.   SAP ERP PLM SYSTEMS INTEGRATION, PRIVATE CLOUD EDITION

117.1.   **Usage Metric: Active User**

118.   SAP CLOUD FOR CORPORATE SERIALIZATION, PRIVATE EDITION

118.1.   **Usage Metric: Document**

118.2.   RISE 99.9% SLA Eligibility: N/A

118.3.   **Block Size: 1,000,000**

118.4.   **System Size based on usage tier**

118.5.

Usage tier	System size	System Tier PRD and QA RAM (GB)**	System Tier DEV RAM (GB)**
Up to 50 blocks	XXS	256	256
Up to 100 blocks	XS	512	256
Up to 500 blocks	S	1TB	256
Up to 1,000 blocks	M	2TB	256
Up to 2,000 blocks	L	3TB	256
More than 2,001 blocks	XL	6TB	256

119.   SAP EVENT MANAGEMENT ON SAP S/4HANA CLOUD, PRIVATE EDITION

119.1.   Usage Metric: Document

119.2.   GxP Eligibility: N/A

119.3.   RISE 99.9% SLA Eligibility: N/A

119.4.   Block Size: 100,000

119.5.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 70 blocks	XS	256	256
up to 140 blocks	S	512	256
up to 280 blocks	M	1TB	256
up to 560 blocks	L	2TB	256
Above 561 blocks	XL	3TB	512

120.   SAP PRODUCT LIFECYCLE COSTING, PRIVATE CLOUD EDITION

120.1.   Usage Metric: Tenant

120.2.   Block Size: 1

120.3.   System size based on usage tier

System size	System Tier PRD and QA RAM (GB)**	System Tier DEV RAM (GB)**
XS	Up to 256	N/A
S	Up to 512	N/A
M	Up to 1024	N/A
L	Up to 2048	N/A
XL	Up to 3072	N/A

120.4. This Cloud Service includes HANA Runtime. Use of the SAP HANA Studio and Web IDE components is also permitted for the sole purpose of extending SAP Product Lifecycle Costing, private cloud edition, allowing creation of database tables, SQL functions, SQL procedures, and HANA extended application services (XS) development artifacts.

121. SAP PRODUCT LIFECYCLE COSTING, PRIVATE CLOUD EDITION, ADDITIONAL NON-PRODUCTIVE TIER

121.1. Usage Metric: Tenant

121.2. Disaster Recovery Eligibility: N/A

121.3. GxP Eligibility: N/A

121.4. Block Size: 1

System size	System Tier PRD and QA RAM (GB)**	System Tier DEV RAM (GB)**
S	N/A	Up to 256
M	N/A	Up to 512
L	N/A	Up to 1024

122. SAP TRANSPORTATION MANAGEMENT, NETWORK AND OPERATIONS FOR CONTAINER SHIPPING LINERS FOR SAP S/4HANA CLOUD, PRIVATE EDITION

122.1. Usage Metric: Object

122.2. RISE 99.9% SLA Eligibility: N/A

122.3. Block Size: 10,000

123. SAP TRANSPORTATION MANAGEMENT, ORDER TO CASH FOR CONTAINER SHIPPING LINERS FOR SAP S/4HANA CLOUD, PRIVATE EDITION

123.1. Usage Metric: Document. For the Cloud Service documents are contracted booking items.

123.2. RISE 99.9% SLA Eligibility: N/A

123.3. Block Size: 1,000

124. SAP TRANSPORTATION MANAGEMENT, LEAD TO AGREEMENT FOR CONTAINER SHIPPING LINERS FOR SAP S/4HANA CLOUD, PRIVATE EDITION

124.1. Usage Metric: Document. For the Cloud Service documents are contracted items in customer agreements.

124.2. RISE 99.9% SLA Eligibility: N/A

124.3. Block Size: 1,000

125. SAP S/4HANA CLOUD FOR UI DATA PROTECTION LOGGING, PRIVATE EDITION

125.1. Usage Metric: User. For this Cloud Service, individuals with unique active profiles are counted.

125.2. RISE 99.9% SLA Eligibility: N/A

125.3. Block size: 100.

125.4. This Cloud Service is limited to the following language versions:

a.   Available log-on language: English

b.   Available Documentation language: English.

126. SAP S/4HANA CLOUD FOR UI DATA PROTECTION MASKING, PRIVATE EDITION

126.1. Usage Metric: User. For this Cloud Service, individuals with unique active profiles are counted.

126.2. RISE 99.9% SLA Eligibility: N/A

126.3.   Block size: 100.

126.4.   This Cloud Service is limited to the following language versions:

     a.   Available log-on language: English

     b.   Available Documentation language: English.

127.   SAP INCENTIVE ADMINISTRATION BY VISTEX FOR SAP S/4HANA CLOUD, PRIVATE EDITION

127.1.   Usage Metric: Revenue.

127.2.   RISE 99.9% SLA Eligibility: N/A

127.3.   Block size: 50,000,000.

128.   SAP PAYBACKS AND CHARGEBACKS BY VISTEX FOR SAP S/4HANA CLOUD, PRIVATE EDITION

128.1.   Usage Metric: Revenue. RISE 99.9% SLA Eligibility: N/A

128.2.   Block size: 50,000,000.

129.   SAP PROMOTIONS AND AGREEMENTS BY VISTEX FOR SAP S/4HANA CLOUD, PRIVATE EDITION

129.1.   Usage Metric: Revenue.

129.2.   RISE 99.9% SLA Eligibility: N/A

129.3.   Block size: 50,000,000.

130.   SAP DATA MAINTENANCE BY VISTEX, PRICING OPTION FOR SAP S/4HANA CLOUD, PRIVATE EDITION

130.1.   Usage Metric: Revenue.

130.2.   RISE 99.9% SLA Eligibility: N/A

130.3.   Block size: 50,000,000.

131.   SAP DATA MAINTENANCE BY VISTEX, RESOURCES OPTION FOR SAP S/4HANA CLOUD, PRIVATE EDITION

131.1.   Usage Metric: Revenue.

131.2.   RISE 99.9% SLA Eligibility: N/A

131.3.   Block size: 50,000,000.

132.   SAP S/4HANA CLOUD FOR FARM MANAGEMENT BY VISTEX, PRIVATE EDITION

132.1.   Usage Metric: Revenue. RISE 99.9% SLA Eligibility: N/A

132.2.   Block size: 10,000,000.

133.   SAP S/4HANA CLOUD FOR GROWER MANAGEMENT FOR PERISHABLES BY VISTEX, PRIVATE EDITION

133.1.   Usage Metric: Revenue.

133.1.1. RISE 99.9% SLA Eligibility: N/A

133.2.   Block size: 10,000,000.

134.   SAP S/4HANA CLOUD FOR RIGHTS AND ROYALTY MANAGEMENT BY VISTEX, PRIVATE EDITION

134.1.   Usage Metric: Revenue and Expense.

134.2.   RISE 99.9% SLA Eligibility: N/A

134.3.   Block size: 100,000,000.

135.   SAP MANUFACTURING INTEGRATION AND INTELLIGENCE, PRIVATE CLOUD EDITION

135.1.   Usage Metric: Resource.

135.2. GxP Eligibility: N/A.

135.3. System Sizing

Size	System Tier	Database ('DB')/Application	DEV		QA		PROD	
			App Servers	RAM (GB)	App Servers	RAM (GB)	App Servers	RAM (GB)
XS	Up to 300	HANA as DB	1	256	1	256	1	256
		MII	1	32	1	32	1	32
S	301 to 1000	HANA as DB	1	256	1	256	1	256
		MII	1	32	2	32	2	32
M	1001 to 3000	HANA as DB	1	256	1	512	1	512
		MII	1	32	2	32	2	32
L	3001 to 6000	HANA as DB	1	256	1	1024	1	1024
		MII	1	32	3	32	3	32
XL	6001 - 10000	HANA as DB	1	256	1	2048	1	2048
		MII	1	32	3	32	3	32

136. SAP TEAMCENTER BY SIEMENS, 1-100 SMALL, PRIVATE CLOUD EDITION

136.1. Usage Metric: Entitlements Package

136.2. Disaster Recovery Eligibility: N/A

136.3. GxP Eligibility: N/A

136.4. RISE 99.9% SLA Eligibility: N/A

136.5. Block Size: 1

System Size	System Tier PRD RAM (GB)	System Tier Non-PRD RAM (GB)	SAP Teamcenter by Siemens, author, private cloud edition users
S	16	16	51

137. SAP TEAMCENTER BY SIEMENS, 100-250 MEDIUM, PRIVATE CLOUD EDITION

137.1. Usage Metric: Entitlements Package

137.2. Disaster Recovery Eligibility: N/A

137.3. GxP Eligibility: N/A

137.4. RISE 99.9% SLA Eligibility: N/A

137.5. Block Size: 1

System Size	System Tier PRD RAM (GB)	System Tier Non-PRD RAM (GB)	SAP Teamcenter by Siemens, author, private cloud edition users
M	32	16	101

138. SAP TEAMCENTER BY SIEMENS, 251-1000 LARGE, PRIVATE CLOUD EDITION

138.1. Usage Metric: Entitlements Package

138.2. Disaster Recovery Eligibility: N/A

138.3. GxP Eligibility: N/A

138.4. RISE 99.9% SLA Eligibility: N/A

138.5. Block Size: 1

System Size	System Tier PRD RAM (GB)	System Tier Non-PRD RAM (GB)	SAP Teamcenter by Siemens, author, private cloud edition users
L	128	16	251

139. SAP TEAMCENTER BY SIEMENS, ADVANCED BOM ROLLUP, PRIVATE CLOUD EDITION

139.1. Usage Metric: User

139.2. Disaster Recovery Eligibility: N/A

139.3. GxP Eligibility: N/A

139.4. RISE 99.9% SLA Eligibility: N/A

140. SAP TEAMCENTER BY SIEMENS, ADV PRODUCT CONFIGURATOR-LEVEL 1 SOLVER, PRIVATE CLOUD EDITION

140.1. Usage Metric: User

140.2. Disaster Recovery Eligibility: N/A

140.3. GxP Eligibility: N/A

140.4. RISE 99.9% SLA Eligibility: N/A

141. SAP TEAMCENTER BY SIEMENS, ENGINEERING PRODUCT CONFIGURATOR-LV2, PRIVATE CLOUD EDITION

141.1. Usage Metric: User

141.2. Disaster Recovery Eligibility: N/A

141.3. GxP Eligibility: N/A

141.4. RISE 99.9% SLA Eligibility: N/A

142. SAP TEAMCENTER BY SIEMENS, AUTHOR, PRIVATE CLOUD EDITION

142.1. Usage Metric: User

142.2. Disaster Recovery Eligibility: N/A

142.3. GxP Eligibility: N/A

142.4. RISE 99.9% SLA Eligibility: N/A

143. SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR AUTOCAD ELECTRICAL, PRIVATE CLOUD EDITION

143.1. Usage Metric: User

143.2. Disaster Recovery Eligibility: N/A

143.3. GxP Eligibility: N/A

143.4. RISE 99.9% SLA Eligibility: N/A

144. SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR AUTOCAD, PRIVATE CLOUD EDITION

144.1.   Usage Metric: User

144.2.   Disaster Recovery Eligibility: N/A

144.3.   GxP Eligibility: N/A

144.4.   RISE 99.9% SLA Eligibility: N/A

145. SAP TEAMCENTER BY SIEMENS, BRAND MANAGEMENT USER, PRIVATE CLOUD EDITION

145.1.   Usage Metric: User

145.2.   Disaster Recovery Eligibility: N/A

145.3.   GxP Eligibility: N/A

145.4.   RISE 99.9% SLA Eligibility: N/A

146. SAP TEAMCENTER BY SIEMENS, CALM DIRECT USER, PRIVATE CLOUD EDITION

146.1.   Usage Metric: User

146.2.   Disaster Recovery Eligibility: N/A

146.3.   GxP Eligibility: N/A

146.4.   RISE 99.9% SLA Eligibility: N/A

147. SAP TEAMCENTER BY SIEMENS, CALM FOUNDATION, PRIVATE CLOUD EDITION

147.1.   Usage Metric: User

147.2.   Disaster Recovery Eligibility: N/A

147.3.   GxP Eligibility: N/A

147.4.   RISE 99.9% SLA Eligibility: N/A

148. SAP TEAMCENTER BY SIEMENS, CALM USER IMODEL, PRIVATE CLOUD EDITION

148.1.   Usage Metric: User

148.2.   Disaster Recovery Eligibility: N/A

148.3.   GxP Eligibility: N/A

148.4.   RISE 99.9% SLA Eligibility: N/A

149. SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR CATIA, PRIVATE CLOUD EDITION

149.1.   Usage Metric: User

149.2.   Disaster Recovery Eligibility: N/A

149.3.   GxP Eligibility: N/A

149.4.   RISE 99.9% SLA Eligibility: N/A

150. SAP TEAMCENTER BY SIEMENS, CHANGE MANAGEMENT, PRIVATE CLOUD EDITION

150.1.   Usage Metric: User

150.2.   Disaster Recovery Eligibility: N/A

150.3.   GxP Eligibility: N/A

150.4.   RISE 99.9% SLA Eligibility: N/A

151. SAP TEAMCENTER BY SIEMENS, AI FOR CLASSIFICATION, PRIVATE CLOUD EDITION

151.1.   Usage Metric: User

151.2. Disaster Recovery Eligibility: N/A

151.3. GxP Eligibility: N/A

151.4. RISE 99.9% SLA Eligibility: N/A

152. SAP TEAMCENTER BY SIEMENS, CLASSIFICATION, PRIVATE CLOUD EDITION

152.1. Usage Metric: User

152.2. Disaster Recovery Eligibility: N/A

152.3. GxP Eligibility: N/A

152.4. RISE 99.9% SLA Eligibility: N/A

153. SAP TEAMCENTER BY SIEMENS, CONSUMER, PRIVATE CLOUD EDITION

153.1. Usage Metric: User

153.2. Disaster Recovery Eligibility: N/A

153.3. GxP Eligibility: N/A

153.4. RISE 99.9% SLA Eligibility: N/A

154. SAP TEAMCENTER BY SIEMENS, CONTENT MANAGEMENT S1000D, PRIVATE CLOUD EDITION

154.1. Usage Metric: User

154.2. Disaster Recovery Eligibility: N/A

154.3. GxP Eligibility: N/A

154.4. RISE 99.9% SLA Eligibility: N/A

155. SAP TEAMCENTER BY SIEMENS, CONTENT MANAGEMENT USER, PRIVATE CLOUD EDITION

155.1. Usage Metric: User

155.2. Disaster Recovery Eligibility: N/A

155.3. GxP Eligibility: N/A

155.4. RISE 99.9% SLA Eligibility: N/A

156. SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR CREO, PRIVATE CLOUD EDITION

156.1. Usage Metric: User

156.2. Disaster Recovery Eligibility: N/A

156.3. GxP Eligibility: N/A

156.4. RISE 99.9% SLA Eligibility: N/A

157. SAP TEAMCENTER BY SIEMENS, DESIGN EBOM ALIGNMENT, PRIVATE CLOUD EDITION

157.1. Usage Metric: User

158. SAP TEAMCENTER BY SIEMENS, GATEWAY FOR EDA, PRIVATE CLOUD EDITION

158.1. Usage Metric: User

158.2. Disaster Recovery Eligibility: N/A

158.3. GxP Eligibility: N/A

158.4. RISE 99.9% SLA Eligibility: N/A

159. SAP TEAMCENTER BY SIEMENS, GATEWAY FOR EDA LIBRARY, PRIVATE CLOUD EDITION

159.1. Usage Metric: User

159.2.　Disaster Recovery Eligibility: N/A

159.3.　GxP Eligibility: N/A

159.4.　RISE 99.9% SLA Eligibility: N/A

160.　SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR INVENTOR, PRIVATE CLOUD EDITION

160.1.　Usage Metric: User

160.2.　Disaster Recovery Eligibility: N/A

160.3.　GxP Eligibility: N/A

160.4.　RISE 99.9% SLA Eligibility: N/A

161.　SAP TEAMCENTER BY SIEMENS, JT BI-DIRECTIONAL TRANSLATOR FOR CATIA V5, PRIVATE CLOUD EDITION

161.1.　Usage Metric: User

161.2.　Disaster Recovery Eligibility: N/A

161.3.　GxP Eligibility: N/A

161.4.　RISE 99.9% SLA Eligibility: N/A

162.　SAP TEAMCENTER BY SIEMENS, JT IMPORT FOR CATIA V5, PRIVATE CLOUD EDITION

162.1.　Usage Metric: User

162.2.　Disaster Recovery Eligibility: N/A

162.3.　GxP Eligibility: N/A

162.4.　RISE 99.9% SLA Eligibility: N/A

163.　SAP TEAMCENTER BY SIEMENS, JT TRANSLATOR FOR SOLIDWORKS, PRIVATE CLOUD EDITION

163.1.　Usage Metric: User

164.　SAP TEAMCENTER BY SIEMENS, LIBRARY MANAGEMENT, PRIVATE CLOUD EDITION

164.1.　Usage Metric: User

164.2.　Disaster Recovery Eligibility: N/A

164.3.　GxP Eligibility: N/A

164.4.　RISE 99.9% SLA Eligibility: N/A

165.　SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR MENTOR PADS, PRIVATE CLOUD EDITION

165.1.　Usage Metric: User

165.2.　Disaster Recovery Eligibility: N/A

165.3.　GxP Eligibility: N/A

165.4.　RISE 99.9% SLA Eligibility: N/A

166.　SAP TEAMCENTER BY SIEMENS, MULTI STRUCTURE FOUNDATION, PRIVATE CLOUD EDITION

166.1.　Usage Metric: User

166.2.　Disaster Recovery Eligibility: N/A

166.3.　GxP Eligibility: N/A

166.4.　RISE 99.9% SLA Eligibility: N/A

**167.	SAP TEAMCENTER BY SIEMENS, MULTI-SITE COLLABORATION, PRIVATE CLOUD EDITION**

167.1.	Usage Metric: User

**168.	SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR NX, PRIVATE CLOUD EDITION**

168.1.	Usage Metric: User

168.2.	Disaster Recovery Eligibility: N/A

168.3.	GxP Eligibility: N/A

168.4.	RISE 99.9% SLA Eligibility: N/A

**169.	SAP TEAMCENTER BY SIEMENS, OCCASIONAL AUTHOR, PRIVATE CLOUD EDITION**

169.1.	Usage Metric: User

169.2.	Disaster Recovery Eligibility: N/A

169.3.	GxP Eligibility: N/A

169.4.	RISE 99.9% SLA Eligibility: N/A

**170.	SAP TEAMCENTER BY SIEMENS, OPEN SDK, PRIVATE CLOUD EDITION**

170.1.	Usage Metric: User

170.2.	Disaster Recovery Eligibility: N/A

170.3.	GxP Eligibility: N/A

170.4.	RISE 99.9% SLA Eligibility: N/A

**171.	SAP TEAMCENTER BY SIEMENS, PACKAGING & ARTWORK, PRIVATE CLOUD EDITION**

171.1.	Usage Metric: User

171.2.	Disaster Recovery Eligibility: N/A

171.3.	GxP Eligibility: N/A

171.4.	RISE 99.9% SLA Eligibility: N/A

**172.	SAP TEAMCENTER BY SIEMENS, PARAMETER MANAGEMENT, PRIVATE CLOUD EDITION**

172.1.	Usage Metric: User

172.2.	Disaster Recovery Eligibility: N/A

172.3.	GxP Eligibility: N/A

172.4.	RISE 99.9% SLA Eligibility: N/A

**173.	SAP TEAMCENTER BY SIEMENS, PROGRAM PLANNING, PRIVATE CLOUD EDITION**

173.1.	Usage Metric: User

173.2.	Disaster Recovery Eligibility: N/A

173.3.	GxP Eligibility: N/A

173.4.	RISE 99.9% SLA Eligibility: N/A

**174.	SAP TEAMCENTER BY SIEMENS, RELATIONSHIP BROWSER, PRIVATE CLOUD EDITION**

174.1.	Usage Metric: User

174.2.	Disaster Recovery Eligibility: N/A

174.3.	GxP Eligibility: N/A

174.4.	RISE 99.9% SLA Eligibility: N/A

175. SAP TEAMCENTER BY SIEMENS, REQUIREMENTS MANAGEMENT, PRIVATE CLOUD EDITION

175.1.   Usage Metric: User

175.2.   Disaster Recovery Eligibility: N/A

175.3.   GxP Eligibility: N/A

175.4.   RISE 99.9% SLA Eligibility: N/A

176. SAP TEAMCENTER BY SIEMENS, SCHEDULE MANAGER, PRIVATE CLOUD EDITION

176.1.   Usage Metric: User

176.2.   Disaster Recovery Eligibility: N/A

176.3.   GxP Eligibility: N/A

176.4.   RISE 99.9% SLA Eligibility: N/A

177. SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR SOLIDWORKS ENTERPRISE EDITION, PRIVATE CLOUD EDITION

177.1.   Usage Metric: User

177.2.   Disaster Recovery Eligibility: N/A

177.3.   GxP Eligibility: N/A

177.4.   RISE 99.9% SLA Eligibility: N/A

178. SAP TEAMCENTER BY SIEMENS, INTEGRATION FOR SOLIDWORKS, PRIVATE CLOUD EDITION

178.1.   Usage Metric: User

178.2.   Disaster Recovery Eligibility: N/A

178.3.   GxP Eligibility: N/A

178.4.   RISE 99.9% SLA Eligibility: N/A

179. SAP TEAMCENTER BY SIEMENS, TEAMCENTER GATEWAY FOR ENTERPRISE APPLICATIONS, PRIVATE CLOUD EDITION

179.1.   Usage Metric: User

179.2.   Disaster Recovery Eligibility: N/A

179.3.   GxP Eligibility: N/A

179.4.   RISE 99.9% SLA Eligibility: N/A

180. SAP TEAMCENTER BY SIEMENS, VISUALIZATION MOCKUP, PRIVATE CLOUD EDITION

180.1.   Usage Metric: User

180.2.   Disaster Recovery Eligibility: N/A

180.3.   GxP Eligibility: N/A

180.4.   RISE 99.9% SLA Eligibility: N/A

181. SAP TEAMCENTER BY SIEMENS, VISUALIZATION PROFESSIONAL, PRIVATE CLOUD EDITION

181.1.   Usage Metric: User

181.2.   Disaster Recovery Eligibility: N/A

181.3.   GxP Eligibility: N/A

181.4.   RISE 99.9% SLA Eligibility: N/A

182. SAP TEAMCENTER BY SIEMENS, VISUALIZATION STANDARD, PRIVATE CLOUD EDITION

182.1. Usage Metric: User

182.2. Disaster Recovery Eligibility: N/A

182.3. GxP Eligibility: N/A

182.4. RISE 99.9% SLA Eligibility: N/A

183. SAP TEAMCENTER BY SIEMENS, PARTITIONS, PRIVATE CLOUD EDITION

183.1. Usage Metric: User

183.2. Disaster Recovery Eligibility: N/A

183.3. GxP Eligibility: N/A

183.4. RISE 99.9% SLA Eligibility: N/A

184. SAP TEAMCENTER BY SIEMENS, PARTNER CONNECT, PRIVATE CLOUD EDITION

184.1. Usage Metric: User

184.2. Disaster Recovery Eligibility: N/A

184.3. GxP Eligibility: N/A

184.4. RISE 99.9% SLA Eligibility: N/A

185. SAP TEAMCENTER BY SIEMENS, RAPID START FOR ALTIUM DESIGNER, PRIVATE CLOUD EDITION

185.1. Usage Metric: User

185.2. Disaster Recovery Eligibility: N/A

185.3. GxP Eligibility: N/A

185.4. RISE 99.9% SLA Eligibility: N/A

186. SAP TEAMCENTER BY SIEMENS, SMART DISCOVERY, PRIVATE CLOUD EDITION

186.1. Usage Metric: User

186.2. Disaster Recovery Eligibility: N/A

186.3. GxP Eligibility: N/A

186.4. RISE 99.9% SLA Eligibility: N/A

187. SAP TEAMCENTER BY SIEMENS, JT TRANSLATOR FOR PROENGINEER AND CREO, PRIVATE CLOUD EDITION

187.1. Usage Metric: User

188. SAP TEAMCENTER BY SIEMENS, JT TRANSLATOR FOR SOLIDWORKS, PRIVATE CLOUD EDITION

188.1. Usage Metric: User

189. SAP TEAMCENTER BY SIEMENS, SERVICE ASSET MANAGEMENT, PRIVATE CLOUD EDITION

189.1. Usage Metric: User

190. SAP ENGINEERING CONTROL CENTER INTERFACE TO AUTOCAD, PRIVATE CLOUD EDITION

190.1. Usage Metric: Active User

190.2. Disaster Recovery Eligibility: N/A

190.3. GxP Eligibility: N/A

190.4. RISE 99.9% SLA Eligibility: N/A

191. SAP ENGINEERING CONTROL CENTER INTERFACE TO ECAD, PRIVATE CLOUD EDITION

191.1. Usage Metric: Active User

191.2. Disaster Recovery Eligibility: N/A

191.3. GxP Eligibility: N/A

191.4. RISE 99.9% SLA Eligibility: N/A

192. SAP ENGINEERING CONTROL CENTER INTERFACE TO EPLAN, PRIVATE CLOUD EDITION

192.1. Usage Metric: Active User

192.2. Disaster Recovery Eligibility: N/A

192.3. GxP Eligibility: N/A

192.4. RISE 99.9% SLA Eligibility: N/A

193. SAP ENGINEERING CONTROL CENTER INTERFACE TO INVENTOR, PRIVATE CLOUD EDITION

193.1. Usage Metric: Active User

193.2. Disaster Recovery Eligibility: N/A

193.3. GxP Eligibility: N/A

193.4. RISE 99.9% SLA Eligibility: N/A

194. SAP ENGINEERING CONTROL CENTER INTERFACE TO NX, PRIVATE CLOUD EDITION

194.1. Usage Metric: Active User

194.2. Disaster Recovery Eligibility: N/A

194.3. GxP Eligibility: N/A

194.4. RISE 99.9% SLA Eligibility: N/A

195. SAP ENGINEERING CONTROL CENTER INTERFACE TO SOLID EDGE, PRIVATE CLOUD EDITION

195.1. Usage Metric: Active User

195.2. Disaster Recovery Eligibility: N/A

195.3. GxP Eligibility: N/A

195.4. RISE 99.9% SLA Eligibility: N/A

196. SAP ENGINEERING CONTROL CENTER INTERFACE TO SOLIDWORKS, PRIVATE CLOUD EDITION

196.1. Usage Metric: Active User

196.2. Disaster Recovery Eligibility: N/A

196.3. GxP Eligibility: N/A

196.4. RISE 99.9% SLA Eligibility: N/A

197. SAP ENGINEERING CONTROL CENTER INTERFACE TO ZUKEN, PRIVATE CLOUD EDITION

197.1. Usage Metric: Active User

197.2. Disaster Recovery Eligibility: N/A

197.3. GxP Eligibility: N/A

197.4. RISE 99.9% SLA Eligibility: N/A

198. SAP PRODUCT AND PROCESS GOVERNANCE BY BDF FOR SAP S/4HANA CLOUD, PRIVATE EDITION

198.1. Usage Metric: Active User

198.2. RISE 99.9% SLA Eligibility: N/A

199. SAP ENGINEERING CONTROL CENTER INTERFACE TO CATIA V5, PRIVATE CLOUD EDITION

199.1. Usage Metric: Active User

199.2. Disaster Recovery Eligibility: N/A

199.3. GxP Eligibility: N/A

199.4. RISE 99.9% SLA Eligibility: N/A

200. SAP ENGINEERING CONTROL CENTER INTERFACE TO PTC CREO, PRIVATE EDITION

200.1. Usage Metric: Active User

200.2. Disaster Recovery Eligibility: N/A

200.3. GxP Eligibility: N/A

200.4. RISE 99.9% SLA Eligibility: N/A

201. SAP S/4HANA CLOUD SUPPLY CHAIN FOR SUPPLY & DEMAND SEGMENTATION, PRIVATE EDITION

201.1. Usage Metric: Object

201.2. RISE 99.9% SLA Eligibility: N/A

201.3. Block Size: 20

201.4. Maximum Block Size: 150 blocks

202. SAP CONTENT SERVER CLOUD, PRIVATE EDITION

202.1. Usage Metric: Tenant

202.2. Disaster Recovery Eligibility: N/A.

202.3. GxP Eligibility: N/A.

202.4. RISE 99.9% SLA Eligibility: N/A

202.5. System Sizing

System Size	Storage Amount
S	512GB
M	1024 GB
L	2048 GB
XL	4096 GB
XXL	6144 GB

203. SAP IAAS SERVER WINDOWS CLOUD, PRIVATE EDITION

203.1. Usage Metric: Tenant.

203.2. Disaster Recovery Eligibility: N/A.

203.3. GxP Eligibility: N/A.

203.4. RISE 99.9% SLA Eligibility: N/A

204. SAP IAAS SERVER LINUX CLOUD, PRIVATE EDITION

204.1. Usage Metric: Tenant.

204.2. Disaster Recovery Eligibility: N/A.

204.3. GxP Eligibility: N/A.

204.4. RISE 99.9% SLA Eligibility: N/A

205. SAP LANDSCAPE TRANSFORMATION REPLICATION SERVER, EMBEDDED EDITION FOR SAP S/4HANA CLOUD, PRIVATE EDITION

205.1. Usage Metric: Tenant

205.2. System size based on usage tier

App Server Size	App Server PRD RAM (GB)
S	64
L	128

205.3. No dedicated QA system delivered for App Server PRD.

206. SAP S/4HANA CLOUD FOR MEAT AND FISH MANAGEMENT BY MSG, PRIVATE EDITION

206.1. Usage Metric: Ton. For this Cloud Service, the total aggregated weight of meat and fish that are processed through livestock operations, procurement, and production is counted.

206.2. RISE 99.9% SLA Eligibility: N/A

206.3. Block size: 300

207. SAP S/4HANA CLOUD FOR DAIRY MANAGEMENT BY MSG, PRIVATE EDITION

207.1. Usage Metric: Ton. For this Cloud Service, total aggregated weight of milk and dairy raw materials processed through planning, production and controlling is counted.

207.2. RISE 99.9% SLA Eligibility: N/A

207.3. Block size: 1,200

208. SAP CONVERGENT MEDIATION BY DIGITALROUTE CLOUD, PRIVATE EDITION

208.1. Usage Metric: Revenue and Expense.

208.2. Block size: €50 million (converted to local currency using SAP standard exchange rates).

208.3. GxP Eligibility: N/A.

208.4. RISE 99.9% SLA Eligibility: N/A

208.5. System size based on usage tier

Usage tier	System size	System Tier DEV RAM (GB)	System Tier PRD and QA RAM (GB)
up to 10 blocks of €50 million of Revenues & Expenses	XS	128	128
up to 30 blocks of €50 million of Revenues & Expenses	S	128	128
up to 60 blocks of €50 million of Revenues & Expenses	S	128	128
up to 120 blocks of €50 million of Revenues & Expenses	S	128	128

above 120 blocks of €50 million of Revenues & Expenses	S	128	128

This package includes HANA Runtime.

209. SAP CONVERGENT MEDIATION BY DIGITALROUTE CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION

209.1. Usage Metric: Tenant

209.2. GxP Eligibility: N/A

209.3. RISE 99.9% SLA Eligibility: N/A

209.4. System size based on usage tier

System size	System Tier PRD
S	Up to 128
M	Up to 256
L	Up to 512
XL	Up to 950

210. SAP CONVERGENT MEDIATION BY DIGITALROUTE CLOUD, ADDITIONAL NON PRODUCTIVE TIER, PRIVATE EDITION

210.1. Usage Metric: Tenant

210.2. Disaster Recovery Eligibility: N/A

210.3. GxP Eligibility: N/A

210.4. RISE 99.9% SLA Eligibility: N/A

210.5. System size based on usage tier

System size	System Tier NON PROD
S	Up to 128
M	Up to 256
L	Up to 512
XL	Up to 950

210.6. This additional non-production system tier may only be used for non-production purposes.

211. SAP PRODUCT DATA MANAGEMENT INTEGRATION TO SAP S/4HANA CLOUD, PRIVATE EDITION

211.1. Usage Metric: Active User.

211.2. RISE 99.9% SLA Eligibility: N/A

211.3. This Cloud Service is limited to the following language versions:

    a. Available log-on language: English

b. Available Documentation language: English.

212. SAP PRODUCT DATA MANAGEMENT INTEGRATION TO TEAMCENTER, PRIVATE CLOUD EDITION

212.1. Usage Metric: Active User

212.2. Disaster Recovery Eligibility: N/A

212.3. GxP Eligibility: N/A

212.4. RISE 99.9% SLA Eligibility: N/A

213. SAP PRODUCT DATA MANAGEMENT INTEGRATION TO PTC WINDCHILL, PRIVATE CLOUD EDITION

213.1. Usage Metric: Active User

213.2. Disaster Recovery Eligibility: N/A

213.3. GxP Eligibility: N/A

213.4. RISE 99.9% SLA Eligibility: N/A

214. SAP PRODUCT DATA MANAGEMENT INTEGRATION TO 3DEXPERIENCE, PRIVATE CLOUD EDITION

214.1. Usage Metric: Active User

214.2. Disaster Recovery Eligibility: N/A

214.3. GxP Eligibility: N/A

214.4. RISE 99.9% SLA Eligibility: N/A

215. SAP INFORMATION LIFECYCLE MANAGEMENT, PRIVATE CLOUD EDITION

215.1. Usage Metric: Connection.

215.2. RISE 99.9% SLA Eligibility: N/A

215.3. System size based on usage tier

Usage tier	System Tier PRD (GB)	System Tier Non-PRD (GB)
up to 5 Connections	256	256
up to 20 Connections	256	256
up to 30 Connections	512	512
above 30 block size	512	512

PROCUREMENT

216. SAP S/4HANA CLOUD FOR CENTRAL PROCUREMENT, PRIVATE EDITION

216.1. Usage Metric: Spend.

216.2. Block size: €1 million (converted to local currency using SAP standard exchange rates).

217. SAP S/4HANA CLOUD FOR PRODUCT SOURCING, PRIVATE EDITION

217.1. Usage Metric: User.

217.2. RISE 99.9% SLA Eligibility: N/A

218. SAP CENTRAL PROCUREMENT, PRIVATE CLOUD EDITION

218.1. Usage Metric: Spend

218.2. Block size: €100 million (converted to local currency using SAP standard exchange rates).

218.3. System Sizing

Usage tier	System Size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 25 blocks	XXS	256*	256
Up to 70 blocks	XS	256	256
Up to 240 blocks	S	512	256
Up to 550 blocks	M	1024	256
More than 550 Blocks	L	2048	512
*XXS is a 2 tier system – No QA system tier provided.			

Business Partners of Customer accessing SAP Central Procurement solutions solely to manage centralized procurement functions viz. Central Requestioning, Central Purchasing, Central Contract Processing, Central Purchase Analytics and Central Sourcing do not require an FUE license.

This package includes HANA Runtime and Central Procurement

HUMAN EXPERIENCE MANAGEMENT

219.   SAP PAYROLL PROCESSING, PRIVATE CLOUD EDITION, EXTRA STACK

219.1.   Usage Metric: User.

219.2.   System Sizing

Usage tier	System Tier PRD and QA RAM	System Tier PRD and QA Memory	System Tier DEV RAM and Memory
up to 2000 users	1 x 64 GB	256 GB	1 x 32 GB, 256 GB
up to 5000 users	1 x 64 GB	512 GB	1 x 32 GB, 256 GB
up to 10000 users	1 x 64 GB	512 GB	1 x 32 GB, 256 GB
up to 15000 users	1 x 64 GB	1 TB	1 x 32 GB, 256 GB
up to 25000 users	1 x 64 GB	1 TB	1 x 32 GB, 256 GB
up to 50000 users	1 x 64 GB	2 TB	1 x 32 GB, 256 GB
up to 75000 users	1 x 64 GB	2 TB	1 x 32 GB, 256 GB
up to 100000 users	1 x 64 GB	4 TB	1 x 32 GB, 256 GB
above 100000 users	2 x 64 GB	6 TB	1 x 32 GB, 256 GB

219.3.   This package includes SAP HANA Runtime. RISE with SAP S/4HANA Cloud, private edition is included with a subscription to SAP Payroll Processing, private cloud edition, extra stack and may only be used in conjunction with this Cloud Service.

219.4.   RISE 99.9% SLA Eligibility: N/A

220.   SAP PAYROLL CLOUD, PRIVATE EDITION

220.1.   Usage Metric: User. For this Cloud Service, an individual with a unique active profile and whose data is processed by the Cloud Service is counted.

220.2.   RISE 99.9% SLA Eligibility: N/A

221.   SAP CORE HUMAN CAPITAL MANAGEMENT CLOUD, PRIVATE EDITION

221.1.   Usage Metric: User. For this Cloud Service, an individual with a unique active profile and whose data is processed by the Cloud Service is counted.

222.   SAP TIME TRACKING CLOUD, PRIVATE EDITION

222.1.   Usage Metric: User. For this Cloud Service, an individual with a unique active profile and whose data is processed by the Cloud Service is counted.

222.2.   RISE 99.9% SLA Eligibility: N/A

Enterprise Information Management

223.   SAP S/4HANA CLOUD FOR MASTER DATA GOVERNANCE CLOUD, PRIVATE EDITION

223.1.   Usage Metric: Object.

223.2.   Block size: 5,000.

224.   SAP S/4HANA CLOUD FOR MASTER DATA GOVERNANCE CLOUD, PRIVATE EDITION, EXTRA STACK

224.1.   Usage Metric: Objects.

224.2.   Block size: 5,000.

224.3.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 100 blocks	XS	256	256
Up to 250 blocks	S	512	256
Up to 400 blocks	S	512	256
Up to 1000 blocks	M	1048	256
More than 1000 blocks	L	2048	512

225.   SAP S/4HANA CLOUD FOR INVOICE MANAGEMENT BY OPENTEXT, PRIVATE EDITION

225.1.   Usage Metric: Document.

225.2.   RISE 99.9% SLA Eligibility: N/A

225.3.   Block size: 1,000.

226.   SAP MASTER DATA GOVERNANCE APPLICATION, ENTERPRISE ASSET MANAGEMENT EXTENSION BY UTOPIA FOR SAP S/4HANA CLOUD, PRIVATE EDITION

226.1.   Usage Metric: Object.

226.2.   RISE 99.9% SLA Eligibility: N/A

226.3.   Block size: 5,000.

227.   SAP MASTER DATA GOVERNANCE, RETAIL AND FASHION MGMT EXT. BY UTOPIA ON SAP S/4HANA CLOUD, PRIVATE EDITION

227.1.   Usage Metric: Object.

227.2.   RISE 99.9% SLA Eligibility: N/A

227.3.   Block size: 5,000.

228.   SAP ASSET INFORMATION WORKBENCH BY UTOPIA FOR S/4HANA CLOUD, PRIVATE EDITION

228.1.   Usage Metric: Object.

228.2.   RISE 99.9% SLA Eligibility: N/A

228.3.   Block size: 5,000.

229.   SAP DATA SERVICES ENTERPRISE, PRIVATE CLOUD EDITION

229.1.   Usage Metric: Tenant.

229.2. RISE 99.9% SLA Eligibility: N/A

229.3. GxP Eligibility: N/A.

229.4. System sizing

System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
S	64 GB (DB Server), 32 GB (Web Tier)	32 GB
M	64 GB (DB Server), 64 GB ASE DB (Web Tier)	32 GB
L	64 GB (DB Server), 128 GB ASE DB (Web Tier)	32 GB

230. SAP DATA SERVICES ENTERPRISE, ADDITIONAL NON-PRODUCTIVE, PRIVATE EDITION

230.1. Usage Metric: Tenant.

230.2. Disaster Recovery Eligibility: N/A.

230.3. GxP Eligibility: N/A.

230.4. RISE 99.9% SLA Eligibility: N/A

230.5. System size based on usage tier

System Size	DB Server Non-PRD RAM (GB)	App Server Non-PRD RAM (GB)
S	64	32
M	64	64
L	64	128

230.6. This additional non-productive system tier may only be used for non-productive purposes.

231. SAP S/4HANA CLOUD FOR ASSET MANAGEMENT FOR RESOURCE SCHEDULING, PRIVATE CLOUD EDITION (WITH MRS USAGE RIGHTS)

231.1. Usage Metric: Resource.

231.2. RISE 99.9% SLA Eligibility: N/A

232. SAP POWERDESIGNER ENTREPREISEARCHITECT, PRIVATE CLOUD EDITION

232.1. Usage Metric: User.

232.2. Maximum Block Size: 400 Blocks.

232.3. RISE 99.9% SLA Eligibility: N/A

232.4. GxP Eligibility: N/A.

232.5. System size based on usage tier

Usage tier	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 100 Users	80	80
101 to 250 Users	96	80
Above 250 Users	128	96

233. SAP CODE VULNERABILITY ANALYZER, PRIVATE CLOUD EDITION

233.1. Usage Metric: User.

233.2. Disaster Recovery Eligibility: N/A.

233.3. GxP Eligibility: N/A.

233.4. RISE 99.9% SLA Eligibility: N/A

EDUCATION

234. SAP ENABLE NOW, PRIVATE CLOUD EDITION

234.1. Usage Metric: User.

234.2. GxP Eligibility: N/A

234.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 120000 blocks	S	256	256
Up to 200000 blocks	M	256	256
More than 200000 blocks	L	512	256

OIL AND GAS

235. SAP S/4HANA CLOUD FOR OIL AND GAS HYDROCARBON MANAGEMENT, PRIVATE EDITION

235.1. Usage Metric: Ton. For this Cloud Service, produced, scheduled, shipped or sold quantities of hydrocarbons and other bulk materials from both conventional and unconventional sources are counted.

235.2. Block size: 1,000.

235.3. Minimum Block Size: 2 Blocks.

236. SAP S/4HANA CLOUD FOR OIL AND GAS HYDROCARBON SUPPLY AND PRIMARY DISTRIBUTION, PRIVATE EDITION

236.1. Usage Metric: Ton. For this Cloud Service, produced, scheduled, shipped or sold quantities of hydrocarbons and other bulk materials from both conventional and unconventional sources are counted.

236.2. Block size: 1,000.

236.3. Minimum Block Size: 1 Block.

237. SAP S/4HANA CLOUD FOR OIL AND GAS UPSTREAM CONTRACTS MANAGEMENT, PRIVATE EDITION

237.1. Usage Metric: Spend For this Cloud Service, tons are tons/day produced, scheduled, shipped or sold quantities of hydrocarbons and other bulk materials from both conventional and unconventional sources are counted.

237.2. Block size: 37,500,000

237.3.   Minimum Block Size: 1 Block.

238.   SAP S/4HANA CLOUD FOR OIL AND GAS UPSTREAM HYDROCARBON ACCOUNTING AND MANAGEMENT, PRIVATE EDITION

238.1.   Usage Metric: Ton. For this Cloud Service, produced, scheduled, shipped or sold quantities of hydrocarbons and other bulk materials from both conventional and unconventional sources are counted.

238.2.   Block size: 1,000.

238.3.   Minimum Block Size: 1 Block.

239.   SAP S/4HANA CLOUD FOR OIL AND GAS SECONDARY DISTRIBUTION MANAGEMENT, PRIVATE EDITION

239.1.   Usage Metric: BOEPD. Barrel of Oil Equivalent per Day (BOEPD) is a unit of measure used in the oil and gas industry that allows aggregating the produced, scheduled or sold quantities of hydrocarbons from both conventional and unconventional sources, which are managed by the Cloud Service in a contract year. A contract year is a 12-month period beginning on the first day of the Subscription Term or its annual anniversary.

239.2.   RISE 99.9% SLA Eligibility: N/A

239.3.   Block size: 10,000.

239.4.   Maximum Block Size: 250 Blocks.

240.   SAP S/4HANA CLOUD FOR OIL AND GAS RETAIL FUEL NETWORK OPERATIONS, PRIVATE EDITION

240.1.   Usage Metric: BOEPD. Barrel of Oil Equivalent per Day (BOEPD) is a unit of measure used in the oil and gas industry that allows aggregating the produced, scheduled or sold quantities of hydrocarbons from both conventional and unconventional sources, which are managed by the Cloud Service in a contract year. A contract year is a 12-month period beginning on the first day of the Subscription Term or its annual anniversary.

240.2.   RISE 99.9% SLA Eligibility: N/A

240.3.   Block size: 10,000.

240.4.   Maximum Block Size: 250 Blocks.

241.   SAP S/4HANA CLOUD FOR FIELD EQUIPMENT AND MATERIAL LOGISTICS PLANNING AND EXECUTION, PRIVATE EDITION

241.1.   Usage Metric: Transaction is any message, job, action, response, and/or task processed via the Cloud Service. For this Cloud Service, field equipment and material supply and return transactions are counted.

241.2.   Block Size: 10,000

241.3.   Minimum Block Size: 25 Blocks.

<div align="center">INSURANCE</div>

242.   SAP S/4HANA CLOUD FOR REINSURANCE ASSUMED RISKS, PRIVATE EDITION, INSURANCE OPTION

242.1.   Usage Metric: Revenue. For this Cloud Service, premiums are counted.

242.2.   RISE 99.9% SLA Eligibility: N/A

242.3.   Block size: €1 million (converted to local currency using SAP standard exchange rates).

242.4.   Additional Terms and Conditions: This Cloud Service provides usage rights to administer reinsurance contracts, process reinsurance claims, and apply technical reinsurance accounting and reinsurance statistics, such as ACORD Standards for Data Exchange, for the following lines of business: (1) Property and Casualty, and (2) Life and Health.

Usage rights for the Submission and Underwriting of Individual Risk functionality is only granted for the Property and Casualty line of business.

Usage rights for the functions msg.LRM and msg.PQM (XSA), which enable Submission and Underwriting of Individual Risk for the Life and Health line of business, require an additional license.

243.   SAP S/4HANA CLOUD FOR REINSURANCE CEDED RISKS, PRIVATE EDITION, INSURANCE OPTION

243.1.   Usage Metric: Revenue. For this Cloud Service, premiums are counted.

243.2.   RISE 99.9% Eligibility: N/A

243.3.   Block size: €1 million (converted to local currency using SAP standard exchange rates).

243.4.   Additional Terms and Conditions: This Cloud Service provides usage rights to administer reinsurance contracts, process reinsurance claims, and apply technical reinsurance accounting and reinsurance statistics for the following lines of business: (1) Property and Casualty, and (2) Life and Health.

Usage rights for Risk Accumulation Management (inclusive of simulation capabilities) functionality is only granted for the Property and Casualty line of business.

Usage rights for the functions msg.LRM and msg.PQM (XSA), which enable Risk Accumulation Management (inclusive of simulation capabilities) for the Life and Health line of business, require an additional license.

<div align="center">

AUTOMOTIVE

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244.   S/4HANA CLOUD FOR VEHICLE SALES MANAGEMENT, PRIVATE EDITION

244.1.   Usage Metric: Object. For this Cloud Service, the total number of vehicles and finished goods is counted.

244.2.   For this Cloud Service the annual total number of vehicles and finished goods is counted.

244.3.   Block size: 10,000.

<div align="center">

LIFE SCIENCES

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245.   SAP S/4HANA CLOUD, GXP, PRIVATE EDITION

245.1.   Usage Metric: % of Net Recurring Fee.

245.2.   Disaster Recovery Eligibility: N/A

245.3.   GxP Eligibility: N/A

245.4.   RISE 99.9% SLA Eligibility: N/A

245.5.   Additional Terms and Conditions

245.5.1.   The GxP service is provided for the SAP S/4HANA Cloud for enterprise management, private edition system and any other Customer subscribed packages which are installed on the same system, GxP serivce is also provided for SAP Solution Manager for SAP S/4HANA Cloud, private edition, full version, SAP Global Trade Services, edition for HANA, private cloud edition, SAP Process Orchestration Cloud, private edition.

245.5.2.   Details of the services are described in the GxP Qualification Service addendum attached to the Customer's Order Form.

245.5.3.   For XS, S, M, L, XL systems: GxP relevant tiers are the QAS and the PRD tier.

246.   SAP BW/4HANA CLOUD, GXP, PRIVATE EDITION

246.1.   Usage Metric: % of Net Recurring Fee.

246.2.   Disaster Recovery Eligibility: N/A.

246.3.   GxP Eligibility: N/A.

246.4.   RISE 99.9% SLA Eligibility: N/A

246.5.   Additional Terms and Conditions

246.5.1. The GxP service is provided for the BW/4HANA Cloud, private edition system and any other Customer subscribed packages which are installed on the same system. Details of the service are specified in the GxP Qualification Service addendum attached to the customer's Order Form.

246.5.2. GxP relevant tiers are the DEV and the PRD tier.

247. SAP ADVANCED TRACK AND TRACE FOR PHARMACEUTICALS CLOUD, PRIVATE EDITION

247.1. Usage Metric: Object. Block size: €10 million (converted to local currency using SAP standard exchange rates).

247.2. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 10 blocks	XXS	256	256
Up to 25 blocks	XS	512	256
Up to 50 blocks	S	1024	256
Up to 100 blocks	M	2048	256
Up to 150 blocks	L	3072	256
More than 150 blocks	XL	6144	256

247.3. This Cloud Service is limited to the following language versions:

a. Available log-on languages: Arabic, Bulgarian, Chinese, Danish, English, French, German, Hungarian, Japanese, Korean, Portuguese, Russian, Spanish, Turkish

b. Available Documentation language: English

c. The includes all the country packages for USA, Argentina, China, Turkey, South Korea, India, European Union and Russia.

UTILITIES

248. S/4HANA CLOUD FOR WATER UTILITIES, PRIVATE EDITION

248.1. Usage Metric: Point of Delivery.

248.2. Block size: 1,000.

249. S/4HANA CLOUD FOR ENERGY UTILITIES, PRIVATE EDITION

249.1. Usage Metric: Point of Delivery

249.2. Block size: 1,000.

250. SAP S/4HANA CLOUD FOR UTILITIES CUSTOMER ENGAGEMENT, PRIVATE EDITION

250.1. Usage Metric: Point of Delivery.

250.2. Block size: 1,000.

251. SAP S/4HANA CLOUD FOR MARKET PROCESS MANAGEMENT FOR UTILITIES, PRIVATE EDITION

251.1. Usage Metric: Point of Delivery.

251.2. RISE 99.9% SLA Eligibility: N/A

251.3. Block size: 1,000.

251.4. This Cloud Service is limited to the following language versions:

a. Available log-on languages: English, German

b. Available Documentation languages: English, German

c.   To report support incidents please use message component: XX-PROJ-CDP-578.

252.   SAP S/4HANA CLOUD FOR EEG BILLING OF GERMAN ELECTRICITY, PRIVATE EDITION

252.1.   Usage Metric: Point of Delivery.

252.2.   RISE 99.9% SLA Eligibility: N/A

252.3.   Block size: 1,000.

252.4.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, German

b.   Available Documentation language: German.

253.   SAP S/4HANA CLOUD FOR INTELLIGENT METERING OF GERMAN ENERGY, PRIVATE EDITION

253.1.   Usage Metric: Point of Delivery.

253.2.   RISE 99.9% SLA Eligibility: N/A

253.3.   Block size: 1,000.

253.4.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, German

b.   Available Documentation languages: English, German.

254.   SAP S/4HANA CLOUD FOR GERMAN UTILITIES BILLING ENHANCEMENTS, PRIVATE EDITION

254.1.   Usage Metric: Point of Delivery.

254.2.   RISE 99.9% SLA Eligibility: N/A

254.3.   Block size: 1,000.

254.4.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, German

b.   Available Documentation languages: English, German

c.   To report support incidents please use message component: IS-U-LIB-DE-BE.

255.   SAP S/4HANA CLOUD, UTILITIES MASTER DATA UPDATES OPTION FOR GERMANY, PRIVATE EDITION

255.1.   Usage Metric: Point of Delivery.

255.2.   RISE 99.9% SLA Eligibility: N/A

255.3.   Block size: 1,000.

255.4.   This Cloud Service is limited to the following language versions:

a.   Available log-on languages: English, German

b.   Available Documentation languages: English, German.

256.   INTERCOMPANY DATA EXCHANGE FOR SWISS ELECTRICITY AND GAS UTILITIES FOR SAP S/4HANA CLOUD, PRIVATE EDITION

256.1.   Usage Metric: Points of Delivery.

256.2.   RISE 99.9% SLA Eligibility: N/A

256.3.   Block size: 1,000.

257.   SAP S/4HANA UTILITIES EXTENSIONS FOR METER TO CASH PROCESSES BY PROLOGA, PRIVATE CLOUD EDITION

257.1.   Usage Metric: Capacity Unit. Capacity Unit is a ratio of services consumed via the Cloud Service and is calculated as set forth in the respective Product Supplement, Service Description Guide or Service Use Description.

For this Cloud Service a Capacity Unit corresponds to:

• 5.000 Points of Delivery for gas calculation (EDM extension)

• 250.000 meter-readings downloaded to MOM (mobile Onsite meter reading and billing)

• 2.500 nomination received

• 10 shippers (marketers) assigned to the system

Meter-readings downloaded are meter reading orders registered, loaded and processed in the system. Nominations are market transactions exchanged between market partners and define the time-based usage of a gas capacity at a specified point within the gas network. Shippers are market partners of the gas transmission system operators, created and registered within the solution to order gas capacities or to send out nominations

257.2.   RISE 99.9% SLA Eligibility: N/A

257.3.   Block Size: 10

258.   SAP S/4HANA CLOUD FOR WASTE AND RECYCLING, PRIVATE EDITION, ENVIRONMENTAL SERVICES ADD-ON BY PROLOGA

258.1.   Usage Metric: Document. For this Cloud Service, Documents that represent a day order for waste disposals and/or additional disposal documents are counted.

258.2.   RISE 99.9% SLA Eligibility: N/A

258.3.   For this Cloud Service documents are:

    a.   Records that represent a day order for waste disposals and/or;

    b.   Additional disposal documents processed by the Cloud Service. This metric is counted in a contract year.

258.4.   Block size: 1000.

258.5.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 10 blocks	XS (HANA-Virtual-256GiB)	0,3 GB	0,2 GB
Up to 25 blocks	S (HANA-Virtual-512GiB)	0,6 GB	0,5 GB
Up to 100 blocks	M (HANA-Virtual-950GiB)	3 GB	2 GB
Up to 250 blocks	L (HANA-Virtual- 1950GiB)	6 GB	5 GB
More than 250 blocks	XL (HANA-Virtual-2950GiB)	30 GB	20 GB

CONSUMER PRODUCTS

259.   SAP S/4HANA CLOUD FOR TRADE MANAGEMENT, PRIVATE EDITION

259.1.   Usage Metric: Record.

259.2.   Records are uniquely identified objects managed by the Cloud Service.

259.3.   For SAP S/4HANA Cloud for Trade Management, private edition records are calculated across both customer plans and promotions. It is the sum of the number of unique "plan + product" combination and "promotion + product" combination objects that are stored in the Cloud Service.

259.4.   Block size: 1,000.

259.5.   System size based on usage tier

Usage tier	System size	BW/4HANA PRD and QA RAM (GB)	BW/4HANA DEV RAM (GB)	CRM PRD and QA RAM (GB)	CRM DEV RAM (GB)	CAR PRD and QA RAM (GB)	CAR DEV RAM (GB)
Up to 3000 blocks	S	Up to 256	Up to 256	Up to 256	Up to 256	Up to 256	Up to 256
Up to 6000 blocks	M	Up to 512	Up to 256	Up to 512	Up to 256	Up to 512	Up to 256
Up to 12000 blocks	L	Up to 1024	Up to 256	Up to 512	Up to 256	Up to 512	Up to 256
Up to 24000 blocks	XL	Up to 2048	Up to 256	Up to 1024	Up to 256	Up to 1024	Up to 256
Above 24000 blocks	XXL	Up to 3072	Up to 256	Up to 1024	Up to 256	Up to 1024	Up to 256

259.6. GxP Eligibility: N/A.

259.7. This package includes HANA Runtime.

259.8. This Cloud Service is limited to the following language versions:

   a. Available log-on languages: English, French, German, Korean, Spanish

   b. Available Documentation languages: English, German.

260. SAP S/4HANA CLOUD FOR TRADE MANAGEMENT, PRIVATE EDITION, STANDARD VERSION

260.1. Usage Metric: Record.

260.2. Records are uniquely identified objects managed by the Cloud Service.

260.3. For SAP S/4HANA Cloud for Trade Management, private edition records are calculated across both customer plans and promotions. It is the sum of the number of unique "plan + product" combination and "promotion + product" combination objects that are stored in the Cloud Service.

260.4. Block size: 1,000.

260.5. System size based on usage tier

Usage Tier	System Size	BW PRD RAM (GB)	BW DEV RAM (GB)	CRM PRD RAM (GB)	CRM DEV RAM (GB)
Upto 3000 Blocks	S	Up to 256	Up to 256	Up to 256	Up to 256
Upto 6000 Blocks	M	Up to 512	Up to 256	Uo to 512	Up to 256
Upto 12000 Blocks	L	Up to 1024	Up to 256	Up to 512	Up to 256
Upto 24000 Blocks	XL	Up to 2048	Up to 256	Up to 1024	Up to 256
Above 24000 Blocks	XXL	Uo to 3072	Up to 256	Up to 1024	Up to 256

260.6. GxP Eligibility: N/A

260.7. This package includes HANA Runtime.

260.8. This Cloud Service is limited to the following language versions:

a. Available log-on languages: English, French, German, Korean, Spanish

b. Available Documentation languages: English, German

261. SAP S/4HANA CLOUD FOR TRADE MANAGEMENT, PRIVATE EDITION, STANDARD VERSION, ADDITIONAL NON-PRODUCTIVE TIER

261.1.   Usage Metric: Tenant

261.2.   Disaster Recovery Eligibility: N/A

261.3.   GxP Eligibility: N/A

261.4.   RISE 99.9% SLA Eligibility: N/A

261.5.   System size

System Size	BW RAM (GB)	CRM RAM (GB)
S	Up to 256	Up to 256
M	Up to 512	Up to 512
L	Up to 1024	Up to 512
XL	Up to 2048	Up to 1024
XXL	Up to 3072	Up to 1024

261.6.   This package includes HANA Runtime.

261.7.   This Cloud Service is limited to the following language versions:

a. Available log-on languages: English, French, German, Korean, Spanish
b. Available Documentation languages: English, German

RETAIL

262. SAP FORECASTING AND REPLENISHMENT CLOUD, PRIVATE EDITION

262.1.   Usage Metric: Object. For this Cloud Service, all processed products in all locations are counted.

262.2.   For this Cloud Service the sum of all processed products in all locations is counted.

262.3.   Block size: 1,000 Product Location Combinations.

262.4.   GxP Eligibility: N/A.

262.5.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 6000 blocks	XS	256	256
Up to 12000 blocks	S	512	256
Up to 24000 blocks	M	1024	256
Up to 48000 blocks	L	2048	256
Up to 72000 blocks	XL	3072	256

More than 72000 blocks	XXL	6144	256

262.6.   This package includes HANA Runtime.

263.   SAP FORECASTING AND REPLENISHMENT CLOUD, ADD-ON FOR FRESH PRODUCTS, PRIVATE EDITION

263.1.   Usage Metric: Object. For this Cloud Service, all processed products in all locations are counted.

263.2.   RISE 99.9% SLA Eligibility: N/A

263.3.   For this Cloud Service the sum of all processed products in all locations is counted.

The SAP Forecasting and Replenishment Cloud, add-on for fresh products, private edition has 3 main features:

 Enhanced forecast calculation, Projected waste calculation, Time-based scheduling and replenishment

The metric for SAP Forecasting and Replenishment Cloud, add-on for fresh products, private edition is based on the number of location product combinations that are processed in the solution with one of these described fresh add-on specific planning features. In case the product location combinations of the time-based scheduling and replenishment feature exceeds the product location combinations of the other two features, a maximum of 20 % of all product location combinations of the main solution SAP Forecasting and Replenishment counts towards the metric for the Cloud Service.

263.4.   Block size: 1,000 Products

263.5.   GxP Eligibility: N/A.

263.6.   This Cloud Service is limited to the following language versions:

    a.   Available log-on languages: Danish, Dutch, English, German, Spanish, Swedish, French
    b.   Available Documentation language: English.

264.   SAP FORECASTING AND REPLENISHMENT CLOUD, ADDITIONAL NON-PRODUCTIVE TIER, PRIVATE EDITION

264.1.   Usage Metric: Tenant.

264.2.   Disaster Recovery Eligibility: N/A.

264.3.   GxP Eligibility: N/A.

264.4.   RISE 99.9% SLA Eligibility: N/A

264.5.   System size based on usage tier for SAP Forecasting and Replenishment Cloud, private edition

System tier	Included size of non-productive system tier
XS	256 GB
S	512 GB
M	1024 GB
L	2048 GB
XL	3072 GB
XXL	6144 GB

264.6.   The additional tier can only be subscribed with a service package which includes infrastructure and follows the same system size.

264.7. SAP Forecasting and Replenishment Cloud, additional non-productive tier, private edition is access to an additional non-productive tier of the respective SAP Forecasting and Replenishment Cloud system. This tier may only be used for non-production purposes.

265.   SAP FORECASTING AND REPLENISHMENT CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION

265.1.   Usage Metric: Tenant.

265.2.   GxP Eligibility: N/A.

265.3.   System size based on usage tier for SAP Forecasting and Replenishment Cloud, private edition

System tier	Included size of productive system tier
XS	256 GB
S	512 GB
M	1024 GB
L	2048 GB
XL	3072 GB
XXL	6144 GB

265.4.   The additional tier can only be subscribed with a service package which includes infrastructure and follows the same system size.

265.5.   SAP Forecasting and Replenishment Cloud, additional productive tier, private edition is access to an additional productive tier of the respective SAP Forecasting and Replenishment Cloud system and must be installed in the same location as the other Cloud Services.

266.   SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION

266.1.   Usage Metric: Transaction. For this Cloud Service, the points of sale transactions across all stores are counted.

266.2.   Block size: 10.000.

266.3.   GxP Eligibility: N/A.

266.4.   System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 5000 blocks	XXS	256	256
Up to 10000 blocks	XS	512	256
Up to 20000 blocks	S	1024	256
Up to 40000 blocks	M	2048	512
Up to 60000 blocks	L	3072	512
More than 60000 blocks	XL	6144	512

266.5.   This package includes HANA Runtime.

266.6.   Customer shall purchase from SAP system (memory) extensions where increased storage is required based on the use of SAP Customer Activity Repository Cloud as a platform for other Cloud Services such as (by way of example only) SAP Assortment Planning, SAP Allocation Management, SAP Promotion Management, and/or SAP Replenishment Planning or use of SAP Customer Activity Repository Cloud as a platform to run an integrated forecasting engine.

267. **SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, ADDITIONAL NON-PRODUCTIVE TIER, PRIVATE EDITION**

267.1. Usage Metric: Tenant.

267.2. Disaster Recovery Eligibility: N/A.

267.3. GxP Eligibility: N/A.

267.4. RISE 99.9% SLA Eligibility: N/A

267.5. System size based on usage tier: SAP Customer Activity Repository Cloud, private edition

System tier	Included size of non-productive system tier
XXS	256 GB
XS	512 GB
S	1024 GB
M	2048 GB
L	3072 GB
XL	6144 GB

267.6. The additional tier can only be subscribed with a service package which includes infrastructure and follows the same system size.

267.7. SAP Customer Activity Repository Cloud, additional non-productive tier, private edition is access to an additional non-productive tier of the respective SAP Customer Activity Repository Cloud system. This tier may only be used for non-production purposes.

268. **SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION**

268.1. Usage Metric: Tenant.

268.2. GxP Eligibility: N/A.

268.3. System size based on usage tier: SAP Customer Activity Repository Cloud, private edition

System tier	Included size of productive system tier
XXS	256 GB
XS	512 GB
S	1024 GB
M	2048 GB
L	3072 GB
XL	6144 GB

268.4. The additional tier can only be subscribed with a service package which includes infrastructure and follows the same system size.

268.5. SAP Customer Activity Repository Cloud, additional productive tier, private edition is access to an additional productive tier of the respective SAP Customer Activity Repository Cloud system and must be installed in the same location as the other Cloud Services.

269. **SAP PROMOTION MANAGEMENT FOR SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION**

269.1. Usage Metric: Active User. For this Cloud Service, individuals who create and/or change the following objects: Offer, vendor fund, campaign, event and any area template, block template or content template, are counted.

269.2. RISE 99.9% SLA Eligibility: N/A

269.3. For this Cloud Service, Users are only measured if they are individuals who create and/or change the following objects: Offer, vendor fund, campaign, event and any area template, block template or content template.

269.4. GxP Eligibility: N/A.

270. SAP ASSORTMENT PLANNING FOR SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION

270.1. Usage Metric: Active User. For this Cloud Service, individuals who create and/or change an assortment list or an option plan, are counted.

270.2. RISE 99.9% SLA Eligibility: N/A

270.3. GxP Eligibility: N/A.

271. SAP MERCHANDISE PLANNING FOR SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION

271.1. Usage Metric: Active User.

271.2. RISE 99.9% SLA Eligibility: N/A

271.3. GxP Eligibility: N/A.

272. SAP ALLOCATION MANAGEMENT FOR SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION

272.1. Usage Metric: Object. For this Cloud Service, all processed products in all locations are counted.

272.2. RISE 99.9% SLA Eligibility: N/A

272.3. For this Cloud Service, the sum of all processed products in all locations is counted.

272.4. Block size: 1,000 Product Location Combinations.

272.5. GxP Eligibility: N/A.

272.6. This Cloud Service is limited to the following languages versions:

a. Available log-on languages: Czech, English, German, Chinese, Danish, Finnish, French, Italian, Spanish, Japanese, Norwegian, Portuguese, Russian, Swedish, Polish, Turkish, Bulgarian, Romanian, Serbian (Latin), Slovak

b. Available Documentation language: English.

273. SAP REPLENISHMENT PLANNING FOR SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION

273.1. Usage Metric: Object . For this Cloud Service, all processed products in all locations are counted.

273.2. RISE 99.9% SLA Eligibility: N/A

273.3. Block size: 1,000 Product Location Combinations.

273.4. GxP Eligibility: N/A.

274. SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, OMNICHANNEL PRICE AND PROMOTION SERVICE, PRIVATE EDITION

274.1. Usage Metric: Object. For this Cloud Service, the number of products available for sale to customers is counted.

274.2. RISE 99.9% SLA Eligibility: N/A

274.3. Block size: 1,000

274.4. GxP Eligibility: N/A.

274.5. This Cloud Service is limited to the following languages versions:

a.   Available log-on languages: English, German, Chinese, French, Hindi, Indonesian, Italian, Japanese, Korean, Portuguese, Russian, Spanish

b.   Available Documentation language: English.

275. SAP S/4HANA CLOUD FOR RETAIL MERCHANDISE MANAGEMENT, PRIVATE EDITION

275.1. Usage Metric: Flat Fee

275.2. RISE 99.9% SLA Eligibility: N/A

276. SAP S/4HANA CLOUD FOR FASHION AND VERTICAL BUSINESS, PRIVATE EDITION

276.1. Usage Metric: Document

276.2. RISE 99.9% SLA Eligibility: N/A

277. SAP S/4HANA CLOUD FOUNDATION FOR RETAIL AND FASHION, PRIVATE EDITION

277.1. Usage Metric: Document

277.2. RISE 99.9% SLA Eligibility: N/A

277.3. For this Cloud Service, documents are purchase orders, sales orders, production orders and point-of-sales transaction related billing documents. This metric is counted in a contract year.

277.4. Block size: 12,000

278. SAP S/4HANA FOR AGREEMENT PROFITABILITY AND NEGOTIATION BY GICOM, PRIVATE EDITION

278.1. Usage Metric: Revenue and Expense. For this Cloud Service, sales and purchasing volumes realized with external business partners are counted.

278.2. RISE 99.9% SLA Eligibility: N/A

278.3. Block size: €100 million (converted to local currency using SAP standard exchange rates).

HIGHER EDUCATION AND RESEARCH

279. SAP S/4HANA CLOUD FOR STUDENT LIFECYCLE MANAGEMENT, PRIVATE EDITION

279.1. Usage Metric: User.

279.2. RISE 99.9% SLA Eligibility: N/A

279.3. Block size: 100.

PUBLIC SECTOR

280. SAP S/4HANA CLOUD, FOR BEHAVIORAL INSIGHTS, PRIVATE EDITION

280.1. Usage Metric: Contact. For this Cloud Service, total number of legal entities are counted.

280.2. RISE 99.9% SLA Eligibility: N/A

280.3. For this Cloud Service, Contacts are the total number of legal entities processed by the Cloud Service.

280.4. Block size: 10,000.

CUSTOMER EXPERIENCE

281. SAP S/4HANA CLOUD FOR DEFENSE AND SECURITY, PRIVATE EDITION

281.1. Usage Metric: User

281.2. Disaster Recovery Eligibility: N/A

281.3. GxP Eligibility: N/A

281.4. RISE 99.9% SLA Eligibility: N/A

281.5. Block Size: 1

282. SAP S/4HANA CLOUD, FOR SOLUTION SALES CONFIGURATION, PRIVATE EDITION

282.1. Usage Metric: User.

282.2. This Cloud Service is limited to the following language versions:

a. Available log-on language : English

b. Available Documentation language : English.

<center>**ANALYTICS**</center>

283. SAP BUSINESSOBJECTS ENTERPRISE CLOUD, PRIVATE EDITION (USER)

283.1. Usage Metric: User.

283.2. RISE 99.9% SLA Eligibility: N/A

283.3. GxP Eligibility: N/A.

283.4. System size based on usage tier

Usage tier	System size	DB Server PRD RAM (GB)	App Server PRD RAM (GB)	DB Server NON-PRD RAM (GB)	App Server Non-PRD RAM (GB)
up to 500 Users	S	32	64	32	32
up to 1,000 Users	M	32	128	32	32
up to 3,000 Users	L	32	256	32	32
above 3,000 Users	XL	32	512	32	32

283.5. No dedicated QA system delivered for DB Server PRD and App Server PRD.

283.6. Server sizing is subject to change based on the number of Users.

284. SAP BUSINESSOBJECTS ENTERPRISE CLOUD, PRIVATE EDITION (CS)

284.1. Usage Metric: Concurrent Sessions ("**CS**").

284.2. RISE 99.9% SLA Eligibility: N/A

284.3. GxP Eligibility: N/A.

284.4. System size based on usage tier

Usage tier	System size	DB Server PRD RAM (GB)	App Server PRD RAM (GB)	DB Server Non-PRD RAM (GB)	App Server Non-PRD RAM (GB)
up to 180 CS	S	32	64	32	32
up to 350 CS	M	32	128	32	32
up to 1050 CS	L	32	256	32	32
above 1050 CS	XL	32	512	32	32

284.5. No dedicated QA system delivered for DB Server PRD and App Server PRD.

284.6. Server sizing is subject to change based on the number of Concurrent Sessions.

284.7. The following use rights are not available with Concurrent Session licenses:

a. Use of Business View Manager, Report Conversion Tool, Universe Design Tool, Web Service Query Tool, Information Design Tool, Translation Management Tool, Data Federation Administration Tool, Central Management Console, and/or Central Configuration Manager ;

b.   Use of the Crystal Reports desktop client, and/or Crystal Reports for Enterprise desktop client ;

c.   Use of the Web Intelligence Rich Client ;

d.   Use of the SAP Lumira desktop client ;

285.   SAP BUSINESSOBJECTS ENTERPRISE CLOUD, ADDITIONAL NON-PRODUCTIVE, PRIVATE EDITION

285.1.   Usage Metric: Tenant.

285.2.   Disaster Recovery Eligibility: N/A.

285.3.   GxP Eligibility: N/A.

285.4.   RISE 99.9% SLA Eligibility: N/A

285.5.   System size based on usage tier

System Size	DB Server Non-PRD RAM (GB)	App Server Non-PRD RAM (GB)
S	32	64
M	32	128
L	32	256
XL	32	512

285.6.   SAP BusinessObjects Enterprise Cloud, additional non-productive, private edition provides access to an additional non-productive tier of SAP BusinessObjects Enterprise Cloud, private edition. This system tier may only be used for non-productive purposes.

286.   SAP APP SERVER WINDOWS CLOUD, PRIVATE EDITION

286.1.   Usage Metric: Gigabyte.

286.2.   RISE 99.9% SLA Eligibility: N/A

286.3.   Block Size: 64

286.4.   This Cloud Service is only available where Customer is also subscribed to SAP BusinessObjects Enterprise Cloud, private edition (User) or SAP BusinessObjects Enterprise Cloud, private edition (CS).

287.   SAP BUSINESS PLANNING AND CONSOLIDATION STANDARD EDITION FOR SAP BW/4HANA CLOUD, PRIVATE EDITION

287.1.   Usage Metric: User.

287.2.   Additional Terms and Conditions

287.2.1.   This package includes HANA Runtime.

287.2.2.   Where data extraction to a third party is required, Customer shall subscribe to this Cloud Service, except where the data extraction is in the form of static reports

287.2.3.   Use is limited to

a.   direct input and/or editing of quantitative and qualitative data into the application ;

b.   execution of existing reports or creation of reports on existing data structures ;

c.   execution of changes to workflow tasks ; and

d.   viewing data, except that users accessing the package through an interface are limited to viewing data only. The consolidation functionality is limited to running controls on data submitted by Users. Planning functionality is limited to performing planning tasks only on existing models.

288. **SAP BUSINESS PLANNING AND CONSOLIDATION STANDARD EDITION FOR SAP BW/4HANA CLOUD (PLANNING ONLY), PRIVATE EDITION**

288.1. Usage Metric: User.

288.2. Additional Terms and Conditions

288.2.1. This package includes HANA Runtime.

288.2.2. Where data extraction to a third party is required, Customer shall subscribe to this Cloud Service, except where the data extraction is in the form of static reports.

288.2.3. Use is limited to

    a.   direct input and/or editing of quantitative and qualitative data into the application ;

    b.   execution of existing reports or creation of reports on existing data structures ;

    c.   execution of changes to workflow tasks ; and

    d.   viewing data, except that users accessing the package through an interface are limited to viewing data only. The consolidation functionality is limited to running controls on data submitted by Users. Planning functionality is limited to performing planning tasks only on existing models.

289. **SAP BUSINESS PLANNING AND CONSOLIDATION PROFESSIONAL EDITION FOR SAP BW/4HANA CLOUD, PRIVATE EDITION**

289.1. Usage Metric: User.

289.2. Additional Terms and Conditions

289.2.1. This package includes HANA Runtime.

289.2.2. Where data extraction to a third party is required, Customer shall subscribe to this Cloud Service, except where the data extraction is in the form of static reports.

289.2.3. With the professional edition, you can operate master data, reports, and process- and workflows. It allows to define allocation and consolidation rules and gives you control over models or consolidation definitions. It also gives the right to execute administrative and user-related tasks. The User gains additional planning and consolidation functions/rights.

289.2.4. This package may be used solely for the creation and calculation of budget, plan, or forecast data, including the calculation and reporting of the consolidated financial results of a group of companies or for separate financial statement reporting where the application is being used to calculate and report investments at equity, applying generally accepted accounting concepts related to accounting for business combinations and / or equity accounting for investments is not permitted.

290. **SAP BUSINESS PLANNING AND CONSOLIDATION PROFESSIONAL EDITION FOR SAP BW/4HANA CLOUD (PLANNING ONLY), PRIVATE EDITION**

290.1. Usage Metric: User.

290.2. Additional Terms and Conditions

290.2.1. This package includes HANA Runtime.

290.2.2. Where data extraction to a third party is required, Customer shall subscribe to this Cloud Service, except where the data extraction is in the form of static reports.

290.2.3. With the professional edition, you can operate master data, reports, and process- and workflows. It allows to define allocation and consolidation rules and gives you control over models or consolidation definitions. It also gives the right to execute administrative and user-related tasks. The user gains additional planning and consolidation functions/rights.

290.2.4. This package may be used solely for the creation and calculation of budget, plan, or forecast data, including the calculation and reporting of the consolidated financial results of a group of companies or for separate financial statement reporting where the application is being used to calculate and report investments at equity,

applying generally accepted accounting concepts related to accounting for business combinations and/or equity accounting for investments is not permitted.

291.   SAP BW/4HANA CLOUD, BASE PACKAGE, PRIVATE EDITION

291.1.   Usage Metric: Tenant.

291.2.   GxP Eligibility: N/A.

291.3.   System size based on usage tier

System Size	System Tier PRD RAM (GB)	System Tier Non-PRD RAM (GB)
XS	256	256

291.4.   No dedicated QA system delivered for System Tier PRD.

291.5.   This package includes HANA Runtime.

292.   SAP BW/4HANA CLOUD, ADDITIONAL NON-PRODUCTIVE, BASE PACKAGE, PRIVATE EDITION

292.1.   Usage Metric: Gigabyte.

292.2.   Block Size: 256.

292.3.   Disaster Recovery Eligibility: N/A.

292.4.   GxP Eligibility: N/A.

292.5.   RISE 99.9% SLA Eligibility: N/A

292.6.   System size based on usage tier

Block Size	System Size	System Tier Non-PRD RAM (GB)
256 GB of Memory	XS	256

292.7.   SAP BW/4HANA Cloud, additional non-productive, base package, private edition provides access to an additional non-productive tier of SAP BW/4HANA Cloud, base package, private edition. This system tier may only be used for non-production purposes.

293.   SAP BW NETWEAVER CLOUD, BASE PACKAGE, PRIVATE EDITION

293.1.   Usage Metric: Tenant.

293.2.   GxP Eligibility: N/A

293.3.   System size based on usage tier

System Size	System Tier PRD RAM (GB)	System Tier Non-PRD RAM (GB)
XS	256	256

293.4.   No dedicated QA system delivered for System Tier PRD.

293.5.   This package includes HANA Runtime.

294.   SAP BW NETWEAVER CLOUD, ADDITIONAL NON-PRODUCTIVE, BASE PACKAGE, PRIVATE EDITION

294.1.   Usage Metric: Gigabyte.

294.2.   RISE 99.9% SLA Eligibility: N/A

294.3.   Block Size: 256.

294.4.   Disaster Recovery Eligibility: N/A.

294.5. GxP Eligibility: N/A.

294.6. System size based on usage tier

Block Size	System Size	System Tier Non-PRD RAM (GB)
256 GB of Memory	XS	256

294.7. SAP BW NetWeaver Cloud, additional non-productive, base package, private edition provides access to an additional non-productive tier of SAP BW NetWeaver Cloud, base package, private edition. This system tier may only be used for non-production purposes.

295. SAP BI JAVA SERVER CLOUD, PRIVATE EDITION

295.1. Usage Metric: Tenant.

295.2. System size based on usage tier

Usage Tier	System Size	System Tier PRD RAM (GB)	System Tier Non-PRD RAM (GB)
8 cores	S	32 GB	32 GB
16 cores	M	64 GB	32 GB
24 cores	L	96 GB	32 GB

295.3. No dedicated system QA delivered for System Tier PRD.

296. SAP BI JAVA SERVER CLOUD, ADDITIONAL NON-PRODUCTIVE, PRIVATE EDITION

296.1. Usage Metric: Gigabyte.

296.2. Disaster Recovery Eligibility: N/A.

296.3. GxP Eligibility: N/A.

296.4. System size based on usage tier

Usage Tier	Block Size	System Size	System Tier Non-PRD RAM (GB)
8 cores	32 GB of Memory	S	32 GB
16 cores	64 GB of Memory	M	64 GB
24 cores	96 GB of Memory	L	96 GB

296.5. SAP BI Java Server Cloud, additional non-productive, private edition provides access to an additional non-productive tier of SAP BI Java Server Cloud, private edition. This system tier may only be used for non-production purposes.

297. SAP PROFITABILITY AND PERFORMANCE MANAGEMENT CLOUD, PRIVATE EDITION

297.1. Usage Metric: Gigabyte. For this Cloud Service, memory capacity is counted.

297.2. Block size: 1

MIDDLEWARE

298. SAP LANDSCAPE TRANSFORMATION REPLICATION SERVER, PRIVATE CLOUD EDITION

298.1. Usage Metric: Tenant.

298.2. GxP Eligibility: N/A.

298.3. RISE 99.9% SLA Eligibility: N/A

298.4. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
8 cores	S	32*	64**
16 cores	M	64	64**
32 cores	L	128	64

*no dedicated QA system delivered

** Combined server for both database and application

298.5.   Additional Terms and Conditions

This package is provisioned on an ASE database.

DELIVERY BY HOSTING PARTNERS

The following system sizes are delivered by the listed hosting provider, including SAP, and apply automatically instead of values set out in tables in the SDG:

System Tier SAP RAM (GB)	System Tier Azure RAM (GiB)	System Tier AWS RAM (GiB)	System Tier GCP RAM (GiB)
256	256	256	256
512	512	512	512
960	1,024	1,024	961
1,984	2,048	2,048	1,922
2,944	3,892	4,096	3,844
6,144	5,700	6,144	5,888
12,288	11,400	12,288	11,776

For SAP BW/4HANA Cloud, private edition and SAP BW NetWeaver Cloud, private edition, the following system sizes are delivered by the listed hosting provider:

System Tier Azure RAM (GiB)	System Tier AWS RAM (GiB)	System Tier GCP RAM (GiB)	
256	256	256	
512	512	512	
1,024	1,024	1,434	
2,048	2,048	2,048*	* System size is eligible for
4,096	4,096	N/A	
5,700	6,144	5,888	

increase to 3,844 GiB for workload-based sizing only, as further described in the Certified and Supported SAP HANA Hardware Directory.