

**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. **"Assets under Management"** of the asset manager which uses the product, means the sum of all relevant financial assets as disclosed in the latest annual statement of the legal entity in a fiscal year. If the Customer does not disclose a comprehensive annual statement, Customer will report on an annual basis the respective information to SAP. If the product shall be licensed only for a subdivision of the insurance company, the respective license contract requires an explicit definition. For non-Insurance companies, the revenue of the company should apply as the basis for the calculation of the price.
- 1.2. **"Barrel of Oil Equivalent per Day" or "BOEPD"** means 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.
- 1.3. **"Concurrent Sessions"** means the aggregated numbers of sessions accessing the service at any one time. A session refers to the time between logon and logoff or time out where a unique user, application or platform accesses the service either directly or indirectly via a custom application. The number of sessions accessing each deployment must be limited by corresponding license key mechanisms. The maximum number of sessions enabled on a Deployment by such limitations may not exceed the usage metric limit for the number of Concurrent Sessions assigned to that Deployment for such licensed Service. The aggregate number of sessions enabled on all Deployments may not exceed the licensed level of Concurrent Sessions. Users in deployments with an unlimited number of sessions require a Named User license for the Service. There is no license limit on number of processors or servers used. Customer may not utilize any program or system to cache or queue report requests. SAP BusinessObjects Enterprise, private edition users accessing any Deployment using a Concurrent Session license may be entered into the SAP NetWeaver BW system for the purposes of maintaining security.
- 1.4. **"Connections"** means unique identified linkages between the Cloud Service and external systems. For this Cloud Service connections are instances which are unique connections to a single specified application or technology type are counted.
- 1.5. **"Contacts"** means the number of unique records of customers, prospects, employees, business partners, and constituents within the context of the Cloud Service.
- 1.6. **"Contracts"** means individual legal agreements between a company and its customers for services provided, which are managed by the Cloud Service.
- 1.7. **"Cost of Goods Sold"** means all expenses directly associated with the production of goods or services the company sells (such as material, labor, overhead, and depreciation) annually. For the Cloud Service it does not include selling, general and administrative expenses or research & development. If Cost of Goods Sold is unknown, then it shall be equal to 70% of total company revenue. For Service Parts Planning, Costs of Goods Sold refers to the inventory value for the service parts business.
- 1.8. **"Documents"** means uniquely identified objects processed by the Cloud Service in a twelve month period (or a contract year).
- 1.9. **"Employees"** means every employee and contractor located at a Customer facility, i.e. an office location or group of office locations where Users work. Users are individuals authorized to access the Cloud Service.
- 1.10. **"Entitlements Package"** means a defined set of entitlements for the Cloud Service.
- 1.11. **"Entities"** mean the total number of legal entities processed by the Cloud Service.
- 1.12. **"Flat Fee"** means a fixed fee for the Cloud Service.
- 1.13. **"Freight Spend"** means the annual freight costs incurred in transporting products, e.g. all the transportation costs, including labor, involved in moving goods to and from a plant/distribution center/warehouse, including payments to

- logistics companies for their services and any cost incurred by a company for the use and maintenance of its own fleet of vehicles.
- 1.14. **"Full Usage Equivalents"** means the number that corresponds to the number of individuals authorized to access specified solution capabilities of the Cloud Service.
 - 1.15. **"GB of Storage"** means an amount of storage.
 - 1.16. **"GB of Memory"** means an amount of memory.
 - 1.17. **"Items"** mean document line items stored in the Cloud Service.
 - 1.18. **"Master Data Objects"** or "Objects" are all unique records stored or managed in the Cloud Service.
 - 1.19. **"Monitored Individuals"** mean unique individuals being managed by the Cloud Service or who use the reporting console of the Cloud Service.
 - 1.20. **"Objects"** mean Master Data Objects, i.e. all unique records stored or managed in the Cloud Service or active real estate objects of type: contract; land; project; building or space, as applicable.
 - 1.21. **"Point of Delivery"** means the points of delivery ("**PoDs**") at which a utility service is supplied or determined. When a utility installation is created in the Cloud Service, a unique PoD is automatically generated. All PoDs in the system are counted where a device or device info record is assigned to utilities installation with an ending date later or equal to the system date; technical and virtual PoDs are not considered.
 - 1.22. **"Products"** mean the number of products managed with the Cloud Service.
 - 1.23. **"Percentage of Net Recurring Fee"** means the percentage multiplied by Net Recurring Fee.
 - 1.24. **"Record"** means uniquely identified objects that are active and maintained in the Cloud Service.
 - 1.25. **"Resources"** mean unique individuals or non-human assets accessing or being managed by the Cloud Service.
 - 1.26. **"Revenues"** mean the total annual revenue that the Customer, its corporate group and affiliates receive from all business activities including revenues from interests, dividends, royalties or other sources. Revenues exclude indirect taxes such as VAT, Excise Duty or any similar sales related taxes. If Customer is an insurance company, Revenues means the annual total gross premiums of Customer, its corporate group and affiliates. If Customer is a public sector organization, Revenues means the total annual budget of the organization. Customer's Revenues may be based on a subset of entities that comprise Customer's corporate group if:
 - a. The data being processed using the Cloud Service is limited to the data directly associated with the subset of entities whose Revenues is used to calculate fees specified in the Order Form and;
 - b. The revenues of the subset of entities can be separately verified.
 - 1.27. **"Revenues & Expenses"** mean the sum of revenues received and annual expenses paid which are processed through the Cloud Service in a contract year.
 - a. "Revenues" is the sum of annual monetary amounts invoiced by Customer and its Affiliates to third parties for services provided (or to be provided) by Customer and/or its Affiliates to such third parties and processed through the Cloud Service;
 - b. "Expenses" is the sum of annual expenses (commissions, royalties, revenue shares etc.) for services performed (or to be performed) by Customer or its Affiliates for Customer's and/or its Affiliates' own organization(s) that are processed through the Cloud Service.
 - 1.28. **"Spend Volume"** means the total monetary amount of Customer's spend value per year, in purchase orders and call-offs against contract, that are processed in the Cloud Service.
 - 1.29. **"Tenant"** means a customer-specific instance of the Cloud Service.
 - 1.30. **"Transactions"** mean messages, jobs, or tasks processed by the Cloud Service in a twelve month period (contract year).
 - 1.31. **"Users"** are individuals authorized to access the Cloud Service.
 - 1.32. **"Units"** mean rental objects that are managed with SAP Real Estate Management.

2. GENERAL

- 2.1. This Service Description Guide ("**SDG**") was last updated on February 14, 2022. 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. 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.
- 2.6. System Size
 - 2.6.1. An additional tier can only be attained with a service package which includes infrastructure, where applicable.
 - 2.6.2. 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;
 - 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 licensing 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, Banking, 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 (FORMERLY, "SAP S/4HANA FOR ENTERPRISE MANAGEMENT, PRIVATE EDITION")

- 5.1. Usage Metric: Full Usage Equivalents ("**FUE**"). FUEs are measured 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 RISE with SAP S/4HANA Cloud, private edition.

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 Fulfillment; 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 RISE with SAP S/4HANA Cloud, private edition.

5.4. SAP S/4HANA Cloud for advanced use

Authorized Users (as defined in the GTC) are permitted to use all solution capabilities of RISE with SAP S/4HANA Cloud, private edition, 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.

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

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

5.8. Additional Terms and Conditions

5.8.1. RISE with S/4HANA Cloud, private edition 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 RISE with SAP S/4HANA Cloud, private edition.

*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. Cloud Feature(s)

RISE with SAP S/4HANA Cloud, private edition includes limited use of the following 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 and (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.

5.9. 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 RISE with SAP S/4HANA, private edition 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. Single Sign-On

RISE with SAP S/4HANA Cloud, private edition 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: Documents.

- 6.2. Documents are unique transactions created or written in the Cloud Service in a 12-month period by a non-SAP system (including Customer or partner developed apps and third party systems) interfacing with the Cloud Service.

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/4HANACloud 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.
- 6.3. Block size: 1000.
- 6.4. Additional Terms and Conditions
 - 6.4.1. 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.
 - 6.4.2. 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 Insights [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.
 - 6.4.3. 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.
 - 6.4.4. 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: Entitlements Package.
- 7.2. 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.

- 7.3. 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. Disaster Recovery Eligibility: N/A
- 8.3. GxP Eligibility: N/A
- 8.4. 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 S/4HANA CLOUD, FIORI HUB, PRIVATE EDITION

- 9.1. Usage Metric: Entitlements Package.
- 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 S/4HANA CLOUD, DISASTER RECOVERY, PRIVATE EDITION

- 10.1. Usage Metric: Percent of Net Recurring Fee.
- 10.2. Disaster Recovery Eligibility: N/A.
- 10.3. GxP Eligibility: N/A.
- 10.4. 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

10.5. 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.

11. SAP LONG TERM BACKUP, PRIVATE EDITION

11.1. Usage Metric: GB of Storage.

11.2. Block size: 256.

11.3. Disaster Recovery Eligibility: N/A.

11.4. GxP Eligibility: N/A.

11.5. Long Term Backup Options

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

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

12.1. Usage Metric: Percentage of Net Recurring Fee.

12.2. Disaster Recovery Eligibility: N/A.

12.3. GxP Eligibility: N/A.

12.4. Additional Terms and Conditions

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

12.4.2. 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.

13. SAP CLOUD, MEMORY EXTENSION FOR PRODUCTIVE TIERS, PRIVATE EDITION

13.1. Usage Metric: GB of Memory.

13.2. Block Size: 256.

13.3. With a subscription to SAP Cloud, memory extension for productive tiers, private edition, Customer is entitled to the 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."

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

14.1. Usage Metric: GB of Memory.

14.2. Block Size: 256.

14.3. Disaster Recovery Eligibility: N/A

14.4. With a subscription to SAP Cloud, memory extension for non-productive tiers, private edition, Customer is entitled to the 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."

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

15.1. Usage Metric: GB of Memory.

- 15.2. 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.
- 15.3. Block size: 256.
- 15.4. System size based on usage tier
- 15.5. 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	

- 15.6. 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 10 blocks	XS	Up to 256	Up to 256	1
Up to 40 blocks	S	Up to 512	Up to 256	2
Up to 80 blocks	M	Up to 1,024	Up to 256	4
Up to 150 blocks	L	Up to 2,048	Up to 512	4
Up to 250 blocks	XL	Up to 3,072	Up to 512	12
Above 250 blocks	XXL	Up to 6,144	Up to 512	-

16. SAP ADDITIONAL STORAGE FOR ENTERPRISE MANAGEMENT CLOUD, PRIVATE EDITION

- 16.1. Usage Metric: GB of Storage.
- 16.2. Block size: 100.
- 16.3. Additional Storage can be applied to all none-core based private edition solutions.
- 16.4. 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.

17. SAP APP SERVER LINUX CLOUD, PRIVATE EDITION

- 17.1. Usage Metric: Entitlements Package.
- 17.2. Block size: 64.
- 17.3. App Server, private edition is access to an additional Application Server(s). Application Server size is based on the respective system's usage tiers. Additional Storage can be applied to all none-core based private edition solutions.

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

- 18.1. Usage Metric: Entitlements Package.

- 18.2. Disaster Recovery Eligibility: N/A.
- 18.3. GxP Eligibility: N/A.
- 18.4. 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	1,2
S	512 GB	1,2
M	1024 GB	1,2
L	2048 GB	1,2
XL	3072 GB	1,2
XXL	6144 GB	1,2
4XL	12288 GB	1

- 18.5. 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.

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

- 19.1. Usage Metric: GB of Memory.
- 19.2. Block size: 256.
- 19.3. Disaster Recovery Eligibility: N/A.
- 19.4. GxP Eligibility: N/A.
- 19.5. 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.		

- 19.6. Additional Terms and Conditions
 - 19.6.1. 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.
 - 19.6.2. 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.

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

19.6.4. This package includes HANA Runtime.

20. SAP SOLUTION MANAGER FOR SAP S/4HANA CLOUD, PRIVATE EDITION, PROJECT DOCUMENTATION VERSION

20.1. Usage Metric: Tenants.

20.2. Disaster Recovery Eligibility: N/A.

20.3. GxP Eligibility: N/A.

20.4. 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

21. SAP SOLUTION MANAGER FOR SAP S/4HANA CLOUD, PRIVATE EDITION, FULL VERSION

21.1. Usage Metric: Tenants.

21.2. Block size: 2.

21.3. System size on usage tier

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

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

22.1. Usage Metric: Transactions.

22.2. Block size: 1,000,000.

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

23.1. Usage Metric: Flat Fee.

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

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

24.1. Usage Metric: GB of Memory

24.1.1. Block size: 256.

24.2. Additional Terms and Conditions

24.2.1. 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 system size.

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

24.2.3. 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).
- 24.3. 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.
- 24.4. SAP HANA, information management option includes SAP HANA Smart Data Integration and Smart Data Quality.
- 24.5. 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.
- 24.6. Use of SAP HANA, predictive option is limited solely to the HANA PAL/R engine, Automated Predictive Library (APL), and TensorFlow integration.
- 24.7. Use of SAP HANA, search and text option is limited solely to the SAP HANA Search Engine and Text Analysis Engine.
- 24.8. 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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25. SAP HANA, EE CLOUD, BASE PACKAGE, PRIVATE EDITION

25.1. Usage Metric: Tenants.

25.2. 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

25.3. Additional Terms and Conditions

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

25.3.2. 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).
- 25.3.3. 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.
- 25.3.4. SAP HANA, information management option includes SAP HANA Smart Data Integration and Smart Data Quality.
- 25.3.5. 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.
- 25.3.6. Use of SAP HANA, predictive option is limited solely to the HANA PAL/R engine, Automated Predictive Library (APL), and TensorFlow integration.
- 25.3.7. Use of SAP HANA, search and text option is limited solely to the SAP HANA Search Engine and Text Analysis Engine.
- 25.3.8. 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.
- 25.3.9. 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.

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

- 26.1. Usage Metric: GB of memory.
- 26.2. Block size: 256.
- 26.3. 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	

- 26.4. Additional Terms and Conditions
 - 26.4.1. 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.

26.4.2. 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.

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

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

27.2. Disaster Recovery Eligibility: N/A.

27.3. GxP Eligibility: N/A.

27.4. Additional Terms and Conditions

27.4.1. 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.

27.4.2. 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.

27.4.3. 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.

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

28.1. Usage Metric: GB of Memory.

28.2. Block size: 256.

28.3. Disaster Recovery Eligibility: N/A.

28.4. GxP Eligibility: N/A.

28.5. 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	

28.6. 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.

28.7. Additional Terms and Conditions

28.7.1. 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.

28.7.2. 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.

29. SAP IQ COLD STORE CLOUD, PRIVATE EDITION

- 29.1. Usage Metric: Entitlements Package
- 29.2. Disaster Recovery Eligibility: N/A.
- 29.3. GxP Eligibility: N/A.
- 29.4. 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
AP IQ cold store Cloud, private edition (XXL, 20 TB)	XXL	20	20

1 non-

productive tier included with System Tier Non-PRD.

- 29.5. 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.

30. SAP ADDITIONAL DATABASE STORAGE, PRIVATE CLOUD EDITION

- 30.1. Usage Metric: GB of Storage. SAP Additional Database Storage, private cloud edition provides additional system size on top of priced-in infrastructure to increase capabilities for database storage.
- 30.2. Block size: 100.
- 30.3. Additional Storage can be applied to all private edition solutions that include the HANA database (either HANA Runtime or HANA Enterprise).

FINANCE

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

- 31.1. Usage Metric: Users.

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

- 32.1. Usage Metric: Revenues.
- 32.2. Block size: € 100 million (converted to local currency using SAP standard exchange rates).

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

- 33.1. Usage Metric: Revenues.
- 33.2. Block size: 100 million.

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

34.1. Usage Metric: Flat Fee.

34.2. GxP Eligibility: N/A.

35. SAP PROCESS CONTROL, PRIVATE CLOUD EDITION

35.1. Usage Metric: Users.

36. SAP RISK MANAGEMENT, PRIVATE CLOUD EDITION

36.1. Usage Metric: Users.

37. SAP AUDIT MANAGEMENT, PRIVATE CLOUD EDITION

37.1. Usage Metric: Users.

38. SAP IDENTITY MANAGEMENT, PRIVATE CLOUD EDITION

38.1. Usage Metric: Monitored Individuals.

38.2. Block size: 100.

38.3. Disaster Recovery Eligibility: No.

38.4. GxP Eligibility: No.

38.5. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 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

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

39.1. Usage Metric: Revenue.

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

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

40.1. Usage Metric: Revenue.

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

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

41.1. Usage Metric: Revenue.

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

41.3. 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.

41.4. 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.

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

42.1. Usage Metric: Assets under Management.

- 42.2. Block size: 1,000,000,000€.
- 42.3. 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.
- 43. SAP S/4HANA CLOUD FOR FINANCIAL CLOSING COCKPIT, PRIVATE EDITION**
- 43.1. Usage Metric: Employees. For this Cloud Service a Customer must purchase user subscriptions for every employee and contractor located at a Customer facility. For purpose of this Section, a facility is an office location or group of office locations where End Users work.
- 43.2. Block size: 500.
- 43.3. Maximum Usage: 208 Blocks.
- 43.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.
- 44. SAP S/4HANA CLOUD FOR CENTRAL FINANCE FOUNDATION, PRIVATE EDITION**
- 44.1. Usage Metric: Revenue.
- 44.2. Block size: € 100 million (converted to local currency using SAP standard exchange rates).
- 44.3. Maximum Usage: 1,000 Blocks.
- 44.4. Additional Terms and Conditions
- 44.4.1. 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.
- 44.4.2. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.
- 45. SAP S/4HANA CLOUD FOR REAL ESTATE MANAGEMENT CLOUD, RESIDENTIAL PROPERTY MGMT, PRIVATE EDITION**
- 45.1. Usage Metric: Units.
- 45.2. Block size: 1,000.
- 46. SAP S/4HANA CLOUD FOR FINANCIAL SHARED SERVICE FRAMEWORK, PRIVATE EDITION**
- 46.1. Usage Metric: Transactions.
- 46.2. Block size: 10,000.
- 47. SAP S/4HANA CLOUD FOR GROUP REPORTING, PRIVATE EDITION**
- 47.1. Usage Metric: Entities.
- 47.2. Block size: 25.
- 47.3. 5 Entities of SAP S/4HANA Cloud for Group Reporting, private edition are included in each subscription RISE with SAP S/4HANA Cloud, private edition (formerly, "enterprise management"),. This does not include use rights for SAP Group Reporting for Data Collection.
- 47.4. Disaster Recovery does not extend to SAP Group Reporting for Data Collection.
- 48. SAP S/4HANA CLOUD FOR FINANCIAL ASSET MANAGEMENT, PRIVATE EDITION**
- 48.1. Usage Metric: Assets under Management.

48.2. Block size: 1,000,000,000.

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

49.1. Usage Metric: Items.

49.2. Block size: 10,000.

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

- a. Available log-on language: English
- b. Available Documentation language: English.

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

50.1. Usage Metric: Users.

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

51.1. Usage Metric: Revenue.

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

51.3. Maximum Usage: 1,000 Blocks.

51.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

52.1. Usage Metric: Revenues & Expenses. For this Cloud Service, "**Revenues**" are not applicable. "**Expenses**" are the future value of the cost estimations, for all active asset retirement obligations, processed by the service. If Customer is using more than one accounting principle, the maximum of these values will be used for pricing. The expenses are determined based on the asset retirement obligations which are active at the fiscal year end date.

52.2. Block size: € 100 million.

52.3. Disaster Recovery Eligibility: N/A.

52.4. GxP Eligibility: N/A.

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

53.1. Usage Metric: Entities.

53.2. Block size: 10,000.

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

54.1. Usage Metric: Monitored Individuals.

54.2. Block size: 100.

55. SAP ACCESS CONTROL, EXTRA STACK, PRIVATE EDITION

55.1. Usage Metric: Monitored Individuals.

55.2. Block size: 100.

55.3. 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

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

56.1. Usage Metric: Revenue.

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

56.3. 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).

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

57.1. Usage Metric: Users.

57.2. 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 Users	S	256	256
up to 20 Users	M	512	256
up to 50 Users	L	950	950
up to 100 Users	XL	1950	1950
Above 100 Users	XXL	2950	2950

57.3. 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.

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

58.1. Usage Metric: Entitlements Package.

58.2. System size based on usage tier

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

58.3. 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.

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

59.1. Usage Metric: Revenues & Expenses.

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

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

60.1. Usage Metric: Objects.

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

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

60.4. Block size: 100.

61. SAP S/4HANA CLOUD FOR GOODS AND INVOICE RECEIPT RECONCILIATION, PRIVATE EDITION

61.1. Usage Metric: Entities.

61.2. Block size: 25.

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

62.1. Usage Metric: Revenue.

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

63. SAP S/4HANA CLOUD FOR BILLING AND REVENUE INNOVATION MANAGEMENT, PRIVATE EDITION

63.1. Usage Metric: Revenues & Expenses.

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

63.3. Disaster Recovery Eligibility: N/A.

63.4. GxP Eligibility: N/A.

63.5. 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	S	128	128
up to 30 blocks of €50 million of Revenues & Expenses	M	128	256
up to 60 blocks of €50 million of Revenues & Expenses	L	128	512
up to 120 blocks of €50 million of Revenues & Expenses	XL	256	1024
above 120 blocks of €50 million of Revenues & Expenses	XXL	256	2048

63.6. This package includes HANA Runtime.

64. SAP BILLING AND REVENUE INNOVATION MANAGEMENT CLOUD, ADDITIONAL PRODUCTIVE TIER, PRIVATE EDITION

64.1. Usage Metric: Entitlements Package

64.2. Disaster Recovery Eligibility: N/A

64.3. GxP Eligibility: N/A

64.4. System size based on usage tier

Usage tier	System size	System Tier PRD
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Up to 10 blocks	S	Up to 128
Up to 30 blocks	M	Up to 256
Up to 60 blocks	L	Up to 512
More than 60 blocks	XL	Up to 950

65. SAP BILLING AND REVENUE INNOVATION MANAGEMENT CLOUD, ADDITIONAL NON PRODUCTIVE TIER, PRIVATE EDITION

- 65.1. Usage Metric: Entitlements Package
- 65.2. Disaster Recovery Eligibility*: N/A
- 65.3. GxP Eligibility*: N/A
- 65.4. System size based on usage tier

Usage tier	System size	System Tier NON PROD
Up to 10 blocks	S	Up to 128
Up to 30 blocks	M	Up to 256
Up to 60 blocks	L	Up to 512
More than 60 blocks	XL	Up to 950

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

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

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

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

- 67.1. Usage Metric: Revenues.
- 67.2. Block Size: 100 million.

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

- 68.1. Usage Metric: Revenue. For this Cloud Service revenues managed through the cloud service are counted.
- 68.2. Block size: € 10 million (converted to local currency using SAP standard exchange rates).

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

- 69.1. Usage Metric: Entities.
- 69.2. 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.

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

- 70.1. Usage Metric: Entities.

70.2. 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.

70.3. Block Size: 5

70.4. 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.

71. SAP TAX DECLARATION FRAMEWORK BRAZIL CLOUD, PRIVATE EDITION

71.1. Usage Metric: Entities. 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.

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

71.3. GxP Eligibility: N/A

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

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

72.1. Usage Metric: Objects

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

73.1. Usage Metric: Objects. For this Cloud Service master data objects are active real estate objects of the type project.

DIGITAL SUPPLY CHAIN

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

74.1. Usage Metric: Freight Spend.

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

74.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 75 blocks of 2.5M Freight Spend	XS	256	256
up to 125 blocks of 2.5M Freight Spend	S	512	256
up to 200 blocks of 2.5M Freight Spend	M	1,024	256
above 200 blocks of 2.5M Freight Spend	L	2,048	512

74.4. 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.

74.5. 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.

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

75.1. Usage Metric: Revenue.

- 75.2. Block size: € 2,5 million (converted to local currency using SAP standard exchange rates).
- 75.3. Maximum Usage: 400 Blocks.
- 75.4. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 75 blocks	XS	256	256
Up to 150 blocks	S	512	256
Up to 300 blocks	M	1,024	256
More than 300 blocks	L	2,048	512

- 75.5. 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.
- 75.6. 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.
- 75.7. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

- 76.1. Usage Metric: Revenues.
- 76.2. Block size: 10,000,000.
- 76.3. 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.

77. SAP S/4HANA CLOUD FOR CARD MANAGEMENT, PRIVATE EDITION

- 77.1. Usage Metric: Items. For this Cloud Service the number of active cards stored in the system are counted.
- 77.2. Block size: 50,000.
- 77.3. This Cloud Service is limited to the following language versions:
 - a. Available log-on language: English
 - b. Available Documentation language: English
 - c. To report support incidents please use message component: XX-PROJ-CDP-658.

78. SAP S/4HANA CLOUD FOR PAYMENT CENTRALIZATION, PRIVATE EDITION

- 78.1. Usage Metric: Transactions. For this Cloud Service, Transactions are single payment transactions within a payment order. A payment order can have one ordering party item and multiple recipient party items.
- 78.2. Block size: 10,000.
- 78.3. This Cloud Service is limited to the following language versions:
 - a. Available log-on languages: English, German, Spanish, Arabic, Russian
 - b. Available Documentation languages: English, German.

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

79.1. Usage Metric: Freight Spend.

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

79.3. 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.

80. SAP S/4HANA CLOUD FOR TRANSPORTATION PLANNING & EXECUTION, PRIVATE EDITION

80.1. Usage Metric: Freight Spend.

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

80.3. 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.

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

81.1. Usage Metric: Revenue.

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

81.3. Additional Terms and Conditions

81.3.1. 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.

81.3.2. 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.

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

82.1. Usage Metric: Items.

a. 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;

b. 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.

82.2. Block size: 5,000.

82.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 10 blocks	XS	256	256
Up to 40 blocks	S	512	256
Up to 80 blocks	M	1024	256
Up to 150 blocks	L	2048	512
Up to 250 blocks	XL	3072	512

More than 250 blocks	XXL	6144	512
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82.4. 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.

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

83.1. Usage Metric: Items.

a. 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;

b. 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.

83.2. Block size: 5,000.

84. SAP EXTENDED WAREHOUSE MANAGEMENT, INDUSTRY ADD-ON FOR SAP S4HANA CLOUD, PRIVATE EDITION

84.1. Usage Metric: Items.

a. 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;

b. 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.

84.2. Block size: 5,000.

84.3. Additional Term and Conditions

This Cloud Service is limited to the following language versions:

- a. Available log-on languages: English, Dutch, French, German
- b. Available Documentation language: English
- c. To report support incidents please use message component: XX-PROJ-CDP-584.

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

85.1. Usage Metric: Revenues.

85.2. Block size: 250,000,000 €.

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

86.1. Usage Metric: Items. Items are the number of transportation units (trucks, trailer, container, railcars, vessel, etc.) in both inbound and outbound.

86.2. Block size: 5,000.

86.3. 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.

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

87.1. Usage Metric: User. Users are measured as individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

87.2. Block size: 100.

88. SAP S/4HANA CLOUD FOR HEALTH AND SAFETY MANAGEMENT, PRIVATE EDITION

88.1. Usage Metric: User. Users are measured as individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

88.2. Block size: 100.

89. SAP S/4HANA CLOUD FOR INCIDENT MANAGEMENT, PRIVATE EDITION

89.1. Usage Metric: User. For this Cloud Service individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service are counted. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

89.2. Block size: 100.

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

90.1. Usage Metric: User.

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

91.1. Usage Metric: User.

91.2. 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.

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

92.1. Usage Metric: User.

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

93.1. Usage Metric: User. It includes rights to configure e.g. sales orders using the SAP Fiori-based advanced configurator for materials using configuration profiles of mode "**Advanced Variant Configuration**" and create material variants for materials using configuration profiles of mode "Advanced Variant Configuration".

94. SAP S/4HANA CLOUD FOR EXTENDED PLANNING, PRIVATE EDITION

94.1. Usage Metric: Revenue.

94.2. Block size: €250 million (converted to local currency using SAP standard exchange rates).

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

95.1. Usage Metric: User.

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

96.1. Usage Metric: User.

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

97.1. Usage Metric: Cost of Goods Sold.

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

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

98.1. Usage Metric: Cost of Goods Sold.

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

98.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 10 blocks of 100 M COGS	XS	256	256
Up to 30 blocks of 100 M COGS	S	512	256
Up to 100 blocks of 100 M COGS	M	1,024	256
Above 100 blocks of 100 M COGS	L	2,048	512

98.4. This package includes HANA Runtime.

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

99.1. Usage Metric: User.

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

100.1. Usage Metric: Items. This metric is counted in a contract year.

a. 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;

b. 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.

100.2. Block size: 5,000.

101. SAP MANUFACTURING EXECUTION CLOUD, PRIVATE EDITION

101.1. Usage Metric: Resources

101.2. GxP Eligibility: N/A

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

102.1. Usage Metric: Transactions

102.2. Block Size: 100,000

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

103.1. Usage Metric: Users.

- 104. SAP ENGINEERING CONTROL CENTER FOR SAP S/4HANA CLOUD, PRIVATE EDITION, STANDARD EDITION**
- 104.1. Usage Metric: Users.
- 105. SAP WORK CLEARANCE MANAGEMENT FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
- 105.1. Usage Metric: Resources.
- 105.2. Block size: 80,000.
- 106. SAP SPATIAL ASSET MANAGEMENT FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
- 106.1. Usage Metric: User.
- 107. SAP S/4HANA CLOUD FOR ASSET MANAGEMENT FOR RESOURCE SCHEDULING, PRIVATE EDITION**
- 107.1. Usage Metric: Resources.
- 107.2. 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.
- 108. SAP S/4HANA CLOUD FOR GEOGRAPHICAL ENABLEMENT FRAMEWORK AND GEO FRAMEWORK FOR ASSET MANAGEMENT, PRIVATE EDITION**
- 108.1. Usage Metric: User.
- 109. SAP S/4HANA CLOUD FOR ADVANCED AVAILABLE-TO-PROMISE, PRIVATE EDITION**
- 109.1. Usage Metric: Revenue.
- 109.2. Block size: €250 million (converted to local currency using SAP standard exchange rates).
- 110. SAP S/4HANA CLOUD FOR PRODUCT COMPLIANCE, PRIVATE EDITION**
- 110.1. Usage Metric: Revenue.
- 110.2. Block size: €50 million (converted to local currency using SAP standard exchange rates).
- 111. SAP EHS MANAGEMENT FOR OCCUPATIONAL HEALTH FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
- 111.1. Usage Metric: User. For this Cloud Service individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service are counted. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.
- 111.2. Block size: 100.
- 111.3. 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.
- 112. SAP S/4HANA CLOUD FOR MANAGEMENT OF CHANGE, PRIVATE EDITION**
- 112.1. Usage Metric: User.
- 112.2. Block size: 100.
- 113. SAP COMMODITY MANAGEMENT FOR PHYSICAL CONTRACTS FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
- 113.1. Usage Metric: Revenue.

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

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

114.1. Usage Metric: Revenue.

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

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

115.1. Usage Metric: Users

116. SAP ERP PLM SYSTEMS INTEGRATION, PRIVATE CLOUD EDITION

116.1. Usage Metric: Users

117. SAP CLOUD FOR CORPORATE SERIALIZATION, PRIVATE EDITION

117.1. Usage Metric: Documents

117.2. Block Size: 1,000,000

117.3. System Size based on usage tier

117.4.

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

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

118.1. Usage Metric: Users. For this Cloud Service individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service are counted. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

118.2. Block size: 100.

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

- a. Available log-on language: English
- b. Available Documentation language: English.

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

119.1. Usage Metric: Users. For this Cloud Service individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service are counted. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

119.2. Block size: 100.

- 119.3. This Cloud Service is limited to the following language versions:
 - a. Available log-on language: English
 - b. Available Documentation language: English.
- 120. SAP PROCESS ORCHESTRATION ADDITIONAL NON-PRODUCTIVE TIER CLOUD, PRIVATE EDITION**
 - 120.1. Usage Metric: Entitlements Package.
 - 120.2. Disaster Recovery Eligibility: N/A.
 - 120.3. GxP Eligibility: N/A.
 - 120.4. Disaster Recovery or GxP services are only available where Customer purchases a subscription to SAP S/4HANA Cloud, disaster recovery, private edition or SAP S/4HANA Cloud, GxP, private edition as indicated in an Order Form.
- 121. SAP INCENTIVE ADMINISTRATION BY VISTEX FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
 - 121.1. Usage Metric: Revenues. The Usage Metric is based only on Revenues managed through the Cloud Service.
 - 121.2. Block size: 50,000,000.
- 122. SAP PAYBACKS AND CHARGEBACKS BY VISTEX FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
 - 122.1. Usage Metric: Revenues. The Usage Metric is based only on Revenues managed through the Cloud Service.
 - 122.2. Block size: 50,000,000.
- 123. SAP PROMOTIONS AND AGREEMENTS BY VISTEX FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
 - 123.1. Usage Metric: Revenues. The Usage Metric is based only on Revenues managed through the Cloud Service.
 - 123.2. Block size: 50,000,000.
- 124. SAP DATA MAINTENANCE BY VISTEX, PRICING OPTION FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
 - 124.1. Usage Metric: Revenues. The Usage Metric is based only on Revenues managed through the Cloud Service.
 - 124.2. Block size: 50,000,000.
- 125. SAP DATA MAINTENANCE BY VISTEX, RESOURCES OPTION FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
 - 125.1. Usage Metric: Revenues. The Usage Metric is based only on Revenues managed through the Cloud Service.
 - 125.2. Block size: 50,000,000.
- 126. SAP S/4HANA CLOUD FOR FARM MANAGEMENT BY VISTEX, PRIVATE EDITION**
 - 126.1. Usage Metric: Revenues. For this Cloud Service, only Revenues managed in the Cloud Service are counted.
 - 126.2. Block size: 10,000,000.
- 127. SAP S/4HANA CLOUD FOR GROWER MANAGEMENT FOR PERISHABLES BY VISTEX, PRIVATE EDITION**
 - 127.1. Usage Metric: Revenues. For this Cloud Service, only Revenues managed in the Cloud Service are counted.
 - 127.2. Block size: 10,000,000.
- 128. SAP S/4HANA CLOUD FOR RIGHTS AND ROYALTY MANAGEMENT BY VISTEX, PRIVATE EDITION**
 - 128.1. Usage Metric: Revenue and Expenses.
 - 128.2. Block size: 100,000,000.
- 129. SAP MANUFACTURING INTEGRATION AND INTELLIGENCE FOR SAP S/4HANA CLOUD, PRIVATE EDITION**
 - 129.1. Usage Metric: Resources.

129.2. GxP Eligibility: N/A.

129.3. 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

130. SAP CONTENT SERVER CLOUD, PRIVATE EDITION

130.1. Usage Metric: Entitlements Package.

130.2. System Sizing

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

130.3. Disaster Recovery Eligibility: N/A.

130.4. GxP Eligibility: N/A.

131. SAP IAAS SERVER WINDOWS CLOUD, PRIVATE EDITION

131.1. Usage Metric: Tenants.

131.2. Disaster Recovery Eligibility: N/A.

131.3. GxP Eligibility: N/A.

132. SAP IAAS SERVER LINUX CLOUD, PRIVATE EDITION

132.1. Usage Metric: Tenants.

132.2. Disaster Recovery Eligibility: N/A.

132.3. GxP Eligibility: N/A.

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

133.1. Usage Metric: Entitlements Package.

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

134.1. Usage Metric: Revenues.

134.2. Block size: 1,000,000.

134.3. Only the revenues associated with the business or division which the capabilities of this package will be applied against need to be considered.

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

135.1. Usage Metric: Revenues.

135.2. Block size: 1,000,000.

135.3. Only the revenues associated with the business or division which the capabilities of this package will be applied against need to be considered.

136. SAP CONVERGENT MEDIATION BY DIGITALROUTE CLOUD, PRIVATE EDITION

136.1. Usage Metric: Revenue and Expense.

136.2. Block size: €50 million.

136.3. Disaster Recovery Eligibility: N/A.

136.4. GxP Eligibility: N/A.

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

137.1. Usage Metric: Entitlements Package

137.2. Disaster Recovery Eligibility*: N/A

137.3. GxP Eligibility*: N/A

137.4. System size based on usage tier

Usage tier	System Size	System Tier PRD
Up to 10 blocks	S	Up to 128
Up to 30 blocks	M	Up to 256
Up to 60 blocks	L	Up to 512
More than 60 blocks	XL	Up to 950

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

138.1. Usage Metric: Entitlements Package

138.2. Disaster Recovery Eligibility: N/A

138.3. GxP Eligibility: N/A

138.4. System size based on usage tier

Usage tier	System Size	System Tier NON PRD
Up to 10 blocks	S	Up to 128
Up to 30 blocks	M	Up to 256
Up to 60 blocks	L	Up to 512
More than 60 blocks	XL	Up to 950

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

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

139.1. Usage Metric: Users.

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

- a. Available log-on language: English
- b. Available Documentation language: English.

140. SAP INFORMATION LIFECYCLE MANAGEMENT, PRIVATE CLOUD EDITION

140.1. Usage Metric: Connections.

140.2. Disaster Recovery Eligibility: N/A.

140.3. GxP Eligibility: N/A.

140.4. 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

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

141.1. Usage Metric: Spend Volume.

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

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

142.1. Usage Metric: Users.

HUMAN EXPERIENCE MANAGEMENT

143. SAP PAYROLL CLOUD, PRIVATE EDITION

143.1. Usage Metric: Users. For this Cloud Service individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service are counted. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

144. SAP CORE HUMAN CAPITAL MANAGEMENT CLOUD, PRIVATE EDITION

144.1. Usage Metric: Users. Users are measured as individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

145. SAP TIME TRACKING CLOUD, PRIVATE EDITION

145.1. Usage Metric: Users. Users are measured as individuals with an active profile in the Cloud Service and whose data is processed in the Cloud Service. For clarification, a single User with multiple contracts or roles such as concurrent employment or global assignments shall be counted as one User.

Enterprise Information Management

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

146.1. Usage Metric: Master Data Objects.

146.2. Block size: 5,000.

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

147.1. Usage Metric: Documents.

147.2. Block size: 1,000.

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

148.1. Usage Metric: Objects.

148.2. Block size: 5,000.

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

149.1. Usage Metric: Objects.

149.2. Block size: 5,000.

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

150.1. Usage Metric: Objects.

150.2. Block size: 5,000.

151. SAP DATA SERVICES ENTERPRISE, PRIVATE CLOUD EDITION

151.1. Usage Metric: Tenants.

151.2. GxP Eligibility: N/A.

151.3. 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

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

152.1. Usage Metric: Entitlements Package.

152.2. Disaster Recovery Eligibility: N/A.

152.3. GxP Eligibility: N/A.

152.4. 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

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

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

153.1. Usage Metric: Resources. If Customer purchases a subscription to SAP S/4HANA Cloud, disaster recovery, private edition package, disaster recovery services are not offered for this service.

154. SAP POWERDESIGNER ENTREPREISEARCHITECT, PRIVATE CLOUD EDITION

154.1. Usage Metric: Users.

154.2. Disaster Recovery Eligibility: N/A.

154.3. GxP Eligibility: N/A.

154.4. 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

155. SAP CODE VULNERABILITY ANALYZER, PRIVATE CLOUD EDITION

155.1. Usage Metric: Users.

155.2. Disaster Recovery Eligibility: N/A.

155.3. GxP Eligibility: N/A.

156. SAP INFORMATION LIFECYCLE MANAGEMENT CLOUD, EXTRA STACK, PRIVATE EDITION

156.1. Usage Metric: Connections. For this Cloud Service connections are instances which are unique connections to a single specified application or technology type are counted.

156.2. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
up to 20 connections	S	256	256
above 20 connections	L	512	512

OIL AND GAS

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

157.1. Usage Metric: BOEPD.

157.2. Block size: 10,000.

157.3. Maximum Usage: 250 Blocks.

157.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

158.1. Usage Metric: BOEPD.

158.2. Block size: 10,000.

158.3. Maximum Usage: 250 Blocks.

158.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

159.1. Usage Metric: BOEPD.

159.2. Block size: 10,000.

159.3. Maximum Usage: 250 Blocks.

159.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

160.1. Usage Metric: BOEPD.

160.2. Block size: 10,000.

160.3. Maximum Usage: 250 Blocks.

160.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

161.1. Usage Metric: BOEPD.

161.2. Block size: 10,000.

161.3. Maximum Usage: 250 Blocks.

161.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

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

162.1. Usage Metric: BOEPD.

162.2. Block size: 10,000.

162.3. Maximum Usage: 250 Blocks.

162.4. There is no additional fee for Customer's use in excess of the Maximum Usage, however, Customer must subscribe to additional system sizing as necessary to support Customer's usage.

INSURANCE

163. SAP S/4HANA CLOUD FOR INSURANCE COLLECTIONS AND DISBURSEMENTS, PRIVATE EDITION

163.1. Usage Metric: Revenue.

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

164. SAP S/4HANA CLOUD FOR FINANCIAL PRODUCTS SUBLEDGER, PRIVATE EDITION, INSURANCE OPTION

164.1. Usage Metric: Revenue.

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

164.3. Use of SAP S/4HANA Cloud for financial products subledger, private edition, insurance option includes the functionality and processes for the subledger accounting for financial instruments and the subledger accounting for insurance contracts. As part of the processing of insurance contracts, the Cloud Service supports processes such as the estimated cash flow preparation, which leverages the software component SAP Profitability and Performance Management. Usage of this component is limited to the preparing and/or storing of data as an integrated part of the subledger processes.

165. SAP S/4HANA CLOUD FOR INSURANCE CLAIMS MANAGEMENT, PRIVATE EDITION

165.1. Usage Metric: Revenue.

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

166. SAP S/4HANA CLOUD FOR INSURANCE INCENTIVES AND COMMISSIONS, PRIVATE EDITION

166.1. Usage Metric: Revenue.

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

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

167.1. Usage Metric: Revenue.

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

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

168.1. Usage Metric: Revenue.

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

BANKING

169. SAP S/4HANA CLOUD FOR TRANSACTIONAL BANKING, PRIVATE EDITION, NATURAL PERSON OPTION

169.1. Usage Metric: Contracts.

169.2. Block size: 1,000

170. SAP S/4HANA CLOUD FOR TRANSACTIONAL BANKING, PRIVATE EDITION, LEGAL PERSON OPTION

170.1. Usage Metric: Contracts

170.2. Block size: 1,000.

171. SAP S/4HANA CLOUD FOR TRANSACTIONAL BANKING, PRIVATE EDITION, GERMAN MORTGAGE LOANS OPTION

171.1. Usage Metric: Contracts.

171.2. Block size: 1,000.

172. SAP S/4HANA CLOUD FOR FINANCIAL PRODUCTS SUBLEDGER, PRIVATE EDITION, BANKING OPTION

172.1. Usage Metric: Contracts.

172.2. Block size: 1,000.

172.3. Additional Terms and Conditions

Contracts are agreements between a financial institution and a natural or legal person. Contracts may be included in a master contract or be part of a collateral agreement. Measurement process depends on the financial instrument of the banking business:

a. Loans or mortgage products, (time) deposits, (internal) accounts such as cash accounts or checking accounts, derivatives traded OTC such as swaps, forward deals, money marked/foreign exchange transactions, securities traded OTC such as bonds, that are received by or transmitted through the application are counted per contract;

b. Exchange traded financial instruments (shares, bonds, futures, options, warrants) related to such securities, that are received by or transmitted through the application are counted by applying a factor of 0.2 to convert number of transactions into number of contract equivalents (5 transactions equate to 1 contract);

c. Imported Subledger documents are counted by applying a factor of 0.2 to convert the number of subledger documents into the number of contracts (5 imported subledger documents equate to 1 contract).

173. SAP S/4HANA CLOUD FOR BANKING FOR COMPLEX LOANS, PRIVATE EDITION

173.1. Usage Metric: Contracts.

173.2. Block size: 1,000.

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

a. Available log-on languages: English, German

b. Available Documentation language: English.

AUTOMOTIVE

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

174.1. Usage Metric: Products.

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

174.3. Block size: 10,000.

LIFE SCIENCES

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

175.1. Usage Metric: Percentage of Net Recurring Fee.

175.2. Disaster Recovery Eligibility: N/A.

175.3. GxP Eligibility: N/A.

175.4. Additional Terms and Conditions

175.4.1. 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 service 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.

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

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

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

176.1. Usage Metric: Percentage of Net Recurring Fee.

176.2. Disaster Recovery Eligibility: N/A.

176.3. GxP Eligibility: N/A.

176.4. Additional Terms and Conditions

176.4.1. 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.

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

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

177.1. Usage Metric: Items. For this Cloud Service, items are entities being configured, shipped-and-received, or tracked in the system. The metric is counted in a contract year.

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

177.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
Up to 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

177.4. 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

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

178.1. Usage Metric: Point of Delivery.

178.2. Block size: 1,000.

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

179.1. Usage Metric: Point of Delivery

179.2. Block size: 1,000.

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

180.1. Usage Metric: Point of Delivery.

180.2. Block size: 1,000.

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

181.1. Usage Metric: Point of Delivery.

181.2. Block size: 1,000.

181.3. 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.

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

182.1. Usage Metric: Point of Delivery.

182.2. Block size: 1,000.

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

- a. Available log-on languages: English, German
- b. Available Documentation language: German.

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

183.1. Usage Metric: Point of Delivery.

183.2. Block size: 1,000.

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

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

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

184.1. Usage Metric: Point of Delivery.

184.2. Block size: 1,000.

184.3. 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.

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

185.1. Usage Metric: Point of Delivery.

185.2. Block size: 1,000.

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

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

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

186.1. Usage Metric: Points of Delivery.

186.2. Block size: 1,000.

186.3. Disaster Recovery Eligibility: N/A.

186.4. GxP Eligibility: N/A.

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

187.1. Usage Metric: Documents.

187.2. 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.
- 187.3. Block size: 1000.
- 187.4. GxP Eligibility: N/A.
- 187.5. 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

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

- 188.1. Usage Metric: Records.
- 188.2. Records are uniquely identified objects managed by the Cloud Service.
- 188.3. 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.
- 188.4. Block size: 1,000.
- 188.5. 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

- 188.6. GxP Eligibility: N/A.
- 188.7. This package includes HANA Runtime.
- 188.8. 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.

RETAIL

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

- 189.1. Usage Metric: Revenue.
- 189.2. Block size: €1 million (converted to local currency using SAP standard exchange rates).

190. SAP FORECASTING AND REPLENISHMENT CLOUD, PRIVATE EDITION

- 190.1. Usage Metric: Products.
- 190.2. For this Cloud Service the sum of all processed products in all locations is counted.
- 190.3. Block size: 1,000 Product Location Combinations.
- 190.4. GxP Eligibility: N/A.
- 190.5. 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

- 190.6. This package includes HANA Runtime.
- 191. SAP FORECASTING AND REPLENISHMENT CLOUD, ADD-ON FOR FRESH PRODUCTS, PRIVATE EDITION**
- 191.1. Usage Metric: Products.
- 191.2. For this Cloud Service the sum of all processed products in all locations is counted.
- 191.3. Block size: 1,000 Product Location Combinations.
- 191.4. GxP Eligibility: N/A.
- 191.5. 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.

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

- 192.1. Usage Metric: Entitlements Package.
- 192.2. Disaster Recovery Eligibility: N/A.
- 192.3. GxP Eligibility: N/A.

192.4. 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

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

192.6. 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.

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

193.1. Usage Metric: Entitlements Package.

193.2. GxP Eligibility: N/A.

193.3. 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

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

193.5. 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.

194. SAP CUSTOMER ACTIVITY REPOSITORY CLOUD, PRIVATE EDITION

194.1. Usage Metric: Transactions. For this Cloud Service transactions include the total number of point of sale transactions across all stores. This metric is counted in a contract year.

194.2. Block size: 10.000.

194.3. GxP Eligibility: N/A.

194.4. 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

194.5. This package includes HANA Runtime.

194.6. 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.

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

195.1. Usage Metric: Entitlements Package.

195.2. Disaster Recovery Eligibility: N/A.

195.3. GxP Eligibility: N/A.

195.4. 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

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

195.6. 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.

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

196.1. Usage Metric: Entitlements Package.

196.2. GxP Eligibility: N/A.

- 196.3. 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

- 196.4. The additional tier can only be subscribed with a service package which includes infrastructure and follows the same system size.
- 196.5. 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.

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

- 197.1. Usage Metric: Users.
- 197.2. 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.
- 197.3. GxP Eligibility: N/A.

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

- 198.1. Usage Metric: Users. For this Cloud Service, Users are only measured if they are individuals who create and/or change an assortment list or an option plan.
- 198.2. GxP Eligibility: N/A.

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

- 199.1. Usage Metric: Users.
- 199.2. GxP Eligibility: N/A.

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

- 200.1. Usage Metric: Products.
- 200.2. For this Cloud Service, the sum of all processed products in all locations is counted.
- 200.3. Block size: 1,000 Product Location Combinations.
- 200.4. GxP Eligibility: N/A.
- 200.5. 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.

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

201.1. Usage Metric: Products. For this Cloud Service, the sum of all processed products in all locations is counted.

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

201.3. GxP Eligibility: N/A.

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

202.1. Usage Metric: Products. For this Cloud Service the number of products available for sale to customers is counted.

202.2. Block size: 1,000

202.3. GxP Eligibility: N/A.

202.4. 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.

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

203.1. Usage Metric: Revenues.

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

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

204.1. Usage Metric: Revenues. For this Cloud Service only sales and purchase revenues associated with external partners are counted.

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

HIGHER EDUCATION AND RESEARCH

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

205.1. Usage Metric: Users.

205.2. Block size: 100.

PUBLIC SECTOR

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

206.1. Usage Metric: Contacts.

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

206.3. Block size: 10,000.

CUSTOMER EXPERIENCE

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

207.1. Usage Metric: Users.

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

a. Available log-on language: English

b. Available Documentation language: English.

ANALYTICS

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

208.1. Usage Metric: User.

208.2. GxP Eligibility: N/A.

208.3. 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

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

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

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

209.1. Usage Metric: Concurrent Sessions (“CS”).

209.2. GxP Eligibility: N/A.

209.3. 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

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

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

209.6. 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;

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

210.1. Usage Metric: Entitlements Package.

210.2. Disaster Recovery Eligibility: N/A.

210.3. GxP Eligibility: N/A.

210.4. 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

210.5. 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.

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

211.1. Usage Metric: User.

211.2. Additional Terms and Conditions

211.2.1. This package includes HANA Runtime.

211.2.2. Data may only be extracted in the form of static reports (i.e. PDF). Any User viewing the data in a form other than Enterprise Performance Management system user interfaces or via a static report requires a full, on-premise license to this package.

211.2.3. 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.

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

212.1. Usage Metric: User.

212.2. Additional Terms and Conditions

212.2.1. This package includes HANA Runtime.

212.2.2. Data may only be extracted in the form of static reports (i.e. PDF). Any User viewing the data in a form other than Enterprise Performance Management system user interfaces or via a static report requires a full, on-premise license to this package.

212.2.3. 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.

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

213.1. Usage Metric: User.

213.2. Additional Terms and Conditions

213.2.1. This package includes HANA Runtime.

213.2.2. Data may only be extracted in the form of static reports (i.e. PDF). Any User viewing the data in a form other than Enterprise Performance Management system user interfaces or via a static report requires a full, on-premise license to this package.

213.2.3. 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.

213.2.4. 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.

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

214.1. Usage Metric: User.

214.2. Additional Terms and Conditions

214.2.1. This package includes HANA Runtime.

214.2.2. Data may only be extracted in the form of static reports (i.e. PDF). Any User viewing the data in a form other than Enterprise Performance Management system user interfaces or via a static report requires a full, on-premise license to this package.

214.2.3. 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.

214.2.4. 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.

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

215.1. Usage Metric: User.

215.2. Additional Terms and Conditions

215.2.1. This package includes HANA Runtime.

215.2.2. Data may only be extracted in the form of static reports (i.e. PDF). Any User viewing the data in a form other than Enterprise Performance Management system user interfaces or via a static report requires a full, on-premise license to this package.

215.2.3. 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.

215.2.4. This package may be used solely for 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. The creation and calculation of budget, plan, or forecast data (forward looking data) is not permitted.

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

216.1. Usage Metric: User.

216.2. Additional Terms and Conditions

216.2.1. This package includes HANA Runtime.

216.2.2. Data may only be extracted in the form of static reports (i.e. PDF). Any User viewing the data in a form other than Enterprise Performance Management system user interfaces or via a static report requires a full, on-premise license to this package.

216.2.3. 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.

216.3. This package may be used solely for 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. The creation and calculation of budget, plan, or forecast data (forward looking data) is not permitted.

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

217.1. Usage Metric: Entitlements Package.

217.2. GxP Eligibility: N/A.

217.3. System size based on usage tier

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

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

217.5. This package includes HANA Runtime.

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

218.1. Usage Metric: GB of Memory.

218.2. Block Size: 256.

218.3. Disaster Recovery Eligibility: N/A.

218.4. GxP Eligibility: N/A.

218.5. System size based on usage tier

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

218.6.

218.7. 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.

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

219.1. Usage Metric: Entitlements Package.

219.2. System size based on usage tier

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

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

219.4. This package includes HANA Runtime.

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

220.1. Usage Metric: GB of Memory.

220.2. Block Size: 256.

220.3. Disaster Recovery Eligibility: N/A.

220.4. GxP Eligibility: N/A.

220.5. System size based on usage tier

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

220.6. 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.

221. SAP NETWEAVER JAVA SERVER CLOUD, PRIVATE EDITION

221.1. Usage Metric: Entitlements Package.

221.2. 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

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

222. SAP NETWEAVER JAVA SERVER CLOUD, ADDITIONAL NON-PRODUCTIVE, PRIVATE EDITION

222.1. Usage Metric: GB of Memory.

- 222.2. Disaster Recovery Eligibility: N/A.
- 222.3. GxP Eligibility: N/A.
- 222.4. 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

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

223. SAP PROFITABILITY AND PERFORMANCE MANAGEMENT CLOUD, PRIVATE EDITION

- 223.1. Usage Metric: Revenue.
- 223.2. Block size: €100 million (converted to local currency using SAP standard exchange rates).

MIDDLEWARE

224. SAP PROCESS ORCHESTRATION CLOUD, PRIVATE EDITION

- 224.1. Usage Metric: Entitlements Package.
- 224.2. System size based on usage tier

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

225. SAP LANDSCAPE TRANSFORMATION REPLICATION SERVER, PRIVATE CLOUD EDITION

- 225.1. Usage Metric: Entitlements Package.
- 225.2. GxP Eligibility: N/A.
- 225.3. System size based on usage tier

Usage tier	System size	System Tier PRD and QA RAM (GB)	System Tier DEV RAM (GB)
8 cores	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			

- 225.4. 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 remainder of the SDG:

System Tier SAP RAM (GB)	System Tier Azure RAM (GiB)	System Tier AWS RAM (GiB)	System Tier GCP RAM (GiB)
56	256	256	256
512	512	512	512
1,024	1,024	976	961
2,048	2,048	1,952	1,922
3,072	3,892	2,764*	3,844
6,144	5,700	6,144	5,888

*System size is eligible for increase to 3,904GiB for workload-based sizing only, as further described in the Certified and Supported SAP HANA Hardware Directory.

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	976	1,434
2,048	1,952	3,844
4,096	N/A	N/A
5,700	6,144	5,888