



NTT DATA Business Solutions

SAP Service Description Document for G-Cloud for:

SAP S/4HANA UI Data Protection

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NTT DATA Business Solutions is a Global Value-Added Reseller of SAP and provides all SAP products in the same form as if they had been purchased directly from SAP.

NTT DATA Business Solutions

We Transform. SAP Solutions into Value

We understand the business of our clients and know what it takes to transform it into the future. At NTT DATA Business Solutions, we drive innovation - from advisory and implementation, to managed services and beyond, we continuously improve SAP solutions and technology to make them work for companies - and for their people.

Aiming to transform, grow and become more successful? We provide you with more than in-depth expertise for SAP solutions: As your passionate partner, we connect your business opportunities with the latest technologies – and offer you a unique approach to get the job done as smoothly as possible. Our close ties to SAP and other partners give you access to innovative solutions and developments. Being part of the global NTT DATA group enables us to master any scope of project.

With operations in more than 30 countries, we have enabled thousands of companies become more efficient and effective during the last three decades. Our more than 14,000 experts around the world will also accompany you on your journey toward a truly intelligent enterprise – wherever you want to start! We have specialised in making SAP solutions work for companies – and for their people: We Transform. SAP® solutions into Value.

We are proud to be consistently recognised within the SAP ecosystem, having won multiple SAP accolades over the years. We are also delighted to announce our recent achievement of four SAP Pinnacle Awards in the categories of GROW with SAP, SAP Business AI Customer Adoption, Business Transformation Management, and Cross-Portfolio Success. These awards celebrate the exceptional performance of the world's foremost SAP partners, underscoring our commitment to excellence and innovation. With four wins and five finalist positions, we stood out as the leading winner in 2025. Additionally, our greatest asset and our most significant differentiator is our people. In 2025, the NTT DATA Group was named a Global Top Employer in 33 countries by the Top Employers Institute. This award highlights our dedication to creating a thriving work environment and confirms our status as a choice destination for IT professionals.

Summary

SAP S/4HANA Cloud Data protection provides two key capabilities to enhance the security of data access in your SAP solutions.

- UI Data Protection Logging
- UI Data Protection Masking

These are add-on services to other products in the SAP solution suite that are separately licensed. UI Masking and Logging can be licenses individually or together, as required.

UI data protection provides configurable options to increase data security through comprehensive and consistent logging of all data displayed to and entered by users in SAP S/4HANA. Data protection masking provides configurable options to increase data security in the platform-specific environments of SAP software, masking sensitive values in screen fields

The UI for refining data-access authorisation paradigms on top of existing authorisation concepts. The solution can be implemented for productive use within short timelines for classic SAP solutions (SAP® Business Suite software, SAP Business Suite powered by SAP HANA®, the SAP Customer Relationship Management application, and SAP HANA Enterprise Cloud). It applies to the SAP GUI interface, SAPUI5, and apps based on the SAP Fiori® user experience, Web Client UI, and Web Dynpro for ABAP® scenarios.

This enables your organisation to detect issues and react adequately and in time to avoid financial impact.

UI Data Protection Logging for SAP S/4HANA

Data privacy violations and industrial espionage are severe threats in today's business world. This is especially true for organisations with highly sensitive information that they can't safeguard by using authorisations to restrict access.

UI data protection logging for SAP S/4HANA enables you to improve data security and compliance by logging all data that users display and enter. It does so across various SAP front-end technologies, ranging from SAP GUI for Windows and Web Dynpro ABAP to SAP Business Warehouse/SAP S/4HANA embedded analytics, WebClient UI (CRM), and SAP Fiori/SAPUI5.

The software stores logged data in a temporary log, which you can transfer to a log repository for evaluation and analysis.

Note

SAP S/4HANA is a prerequisite for using UI Data Protection Logging for SAP S/4HANA. SAP S/4HANA requires separate licenses.

Key Features

UI data protection logging	Log all data that users display and enter in front-end-technology-specific environments. If necessary, you can log without values to reduce the amount of data logged or clear non-key fields to avoid logging sensitive data values.
User management	Customise logging settings based on users, roles, profiles, and groups.
Definition of TAG and context IDs	Define TAG Identifiers for key and critical fields of applications and context IDs that provide further information for key fields, allowing fast and user-friendly analysis of logged data.
Alerting	Set up alerting notifications that are triggered when certain data is accessed.

Log creation with adjustments	Define filtering settings to adjust the logged data before it is written to the temporary log.
Display temporary logs	Display the data in the temporary logs based on a range of selection criteria.
Log analyser	Analyse logged data based on various selection parameters.
Log repository statistics	Perform statistics on the log repository to determine entities that generate large data volumes.
Data transfer with adjustments	Define filtering and mapping settings to adjust the logged data when transferring it from the temporary log to the log repository.
Basic logging	Reduce the volume of data in the logs considerably by logging only roundtrips and their screen headers.
Change logging	Analyse user input and detect potential data fraud in SAP GUI for Windows and Web Dynpro ABAP. You can enable change logging during the log transfer to the log repository to determine whether the user made any changes.
Conditional logging	In SAP GUI for Windows, Web Dynpro ABAP, OData for SAP Fiori/SAPUI5, and WebClient UI (CRM), log only critical screens that fulfil conditions (policies) based on critical fields (sensitive attributes). This allows you to reduce the amount of data transferred to the log repository for noncritical screens.
Migration	Migrate legacy log repository records (from your SAP ECC-based UI logging solution) to UI data protection logging for SAP S/4HANA.
Pseudonymisation	Pseudonymise user IDs in all UI logging transactions: for example, to ensure that a person's identity is not disclosed to a data protection officer (DPO) who analyses the logs for data misuse.
DPO responsibilities in SAP GUI-based log analysers	Define responsibilities for data protection officers (DPOs) who use the SAP GUI-based log analysers, allowing them to access only the logs for which they're responsible.
Integration with SAP Enterprise Threat Detection	Set up the transfer of log data to SAP Enterprise Threat Detection to help you identify and react to threats before serious damage occurs.

UI Data Protection Masking

UI data protection masking is a solution for selective masking of sensitive data on SAP user interfaces. Data can be protected at field level, either by masking the content (replacing original characters with generic characters) or by clearing or disabling the field. It is also possible to block access to specific sensitive data, trace access to fields configured for data protection masking, and to reveal the contents of specific fields only on demand. The solution uses both role-based and attribute-based authorisations, affording you a high degree of control over who has access to sensitive data.

Key Features

UI data protection masking	Only users with field-level authorisation can view data. If a user is not authorised to view the field's value, the data can be protected by masking, clearing, hiding, or disabling the field.
Data-element-based masking	You can protect individual data elements independently of the UI technology displaying them.
Data blocking	The system can suppress (not show) lines in table-style UI elements and block access to entire sensitive records in applications. This is useful in protecting highly sensitive data when the presence of a record should be hidden entirely and is available in SAP GUI transactions.
Attribute-based authorisation	The ABAC policy cockpit enables you to create policies to determine how you want to protect sensitive data within the system. Authorisation checks also take the context of a field or data element into consideration.
Recording tool	The recording tool records the technical addresses of the UI fields that a specified user accesses during a given timeframe and can be used when setting up your system to provide information for configuring sensitive attributes.
Field access trace	The field access trace can write a trace entry whenever a user accesses fields configured for UI data protection masking.
Reveal on demand	This feature provides an additional level of data protection in SAP GUI by masking the field value by default, irrespective of whether the user is authorised to view the original field value. Users can choose the option to reveal the field value, giving a reason for viewing the data. This will be granted to authorised users only.
Data protection based on sensitive attributes and context attributes	Sensitive attributes are at the heart of the solution and are the starting point for any configuration cycle. The different data protection options, such as masking and blocking, are applied to one core entity, the sensitive attribute. Context logical attributes encompass information related to a sensitive attribute. They define the context within which a sensitive attribute is to be protected. Context attributes can be static or dynamic in nature, and can therefore contain different values across different runtime scenarios.

Onboarding

The SAP software is made available to the customer from the point of contract signature as a Software-as-a-Service.

Full use of the service is enabled through an implementation project. NTT Data Business Solutions are able to deliver the implementation project through our listing for SAP Cloud Support Services (Implementation), also on G-Cloud.

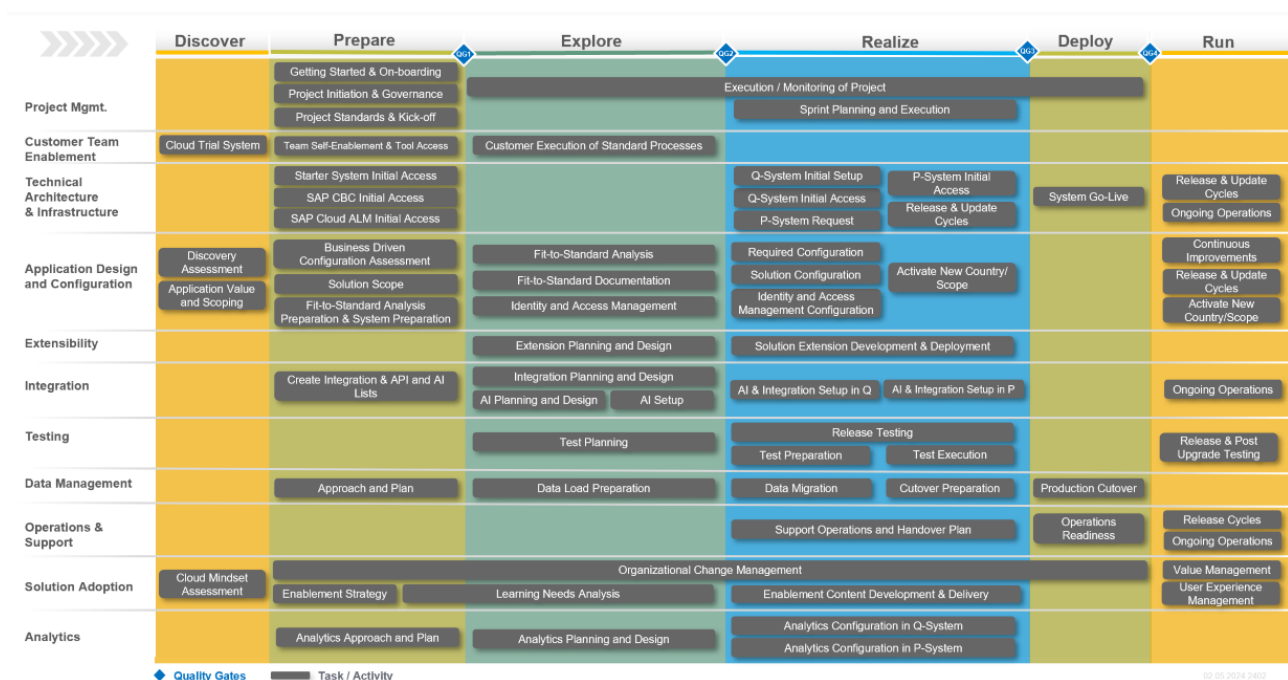
This service required a subscription to the main SAP application for which it is protecting the UI data.

General Implementation Approach

NTT Data Business Solutions offer implementation and advisory consulting services for the implementation and onboarding of the SAP software, available through our Lot 3 listing – NDBS Cloud Support Services (Implementation). These services cover:

- Application skills for implementation, configuration, testing support
- Value Added services for: change management, training and training strategy, data migration
- Technical skills for development of applications, enhancements, and integrations to the SAP platform

Customers achieve fast and cost-efficient deployment of SAP products and innovations through a consistent and proven methodology, SAP Activate®



This particular service does not require a full implementation project, and can be deployed either with the initial implementation of the main SAP solutions, or as a subsequent mini project.

Service Levels and Support

For productive system the service level for availability is 99.7%. For non-productive systems (development, test) the service level for availability is 99.5%.

Additional cost options are available to increase the availability to higher levels for the Private Cloud option for productive systems.

Software Support is provided by SAP Enterprise Support. Additional cost options are available for enhanced support from SAP and details are available on request.

NDBS can also provide additional application and technical managed service support for the application which enhances the SAP Enterprise Support with additional support for the application and the technical elements of the application. This can include 'how do I?' and 'break-fix' type support.

Maintenance Windows

For Public Cloud, there is a weekly maintenance window (Saturday 22:00 UTC) for 4 hours. In addition, there are up to 4 major upgrade windows per year (Saturday 04:00 UTC) for 24 hours. There are 2 upgrade releases that must be taken.

For Private Cloud – there is a major release every 2 years, with interim Feature Packs every 6 months. Upgrades are optional in Private Cloud, but the customer must be on a maintained release (hence must upgrade at least every 7 years). Subscription includes costs for the upgrade every 2 years.

Offboarding, and Access to Data

When offboarding, for the Public Cloud solution SAP provides tools to download the data from the service. It is the customer responsibility to download the data prior to contract termination. Additional cost options can provide enhanced support from NDBS to support the customer in the offboard and data extraction elements up to the contract termination.

For the Private Cloud solution, the customer is responsible for extracting relevant data prior to contract termination. Additional cost options can be provided enhanced support from NDBS to support the extraction of the data.

Note that no data is persisted by this service, however the configuration of the service also restricts the exported data in order to ensure security and privacy policies are not breached.

Business Continuity

For Public Cloud, the production system is backed up daily along with multiple archive logs taken daily. Non-productive systems are backed up weekly along with multiple archive logs taken daily. Backups are stored in a secure offsite location. Backup cycles for production data is 28 days; for non-production data the cycle is 14 days.

After Sales Support

SAP provides Enterprise Support for the duration of the subscription (software support). NDBS can enhance the Enterprise Support, by providing highly flexible Application and Technical Managed Services for the buying organisation. As these can be tailored for individual customer requirements, NDBS can provide specific detail on application.