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# **SAP S/4HANA Solution for Financial Services (S4X) v6.3**

**30-day Trial**

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# 1 Solution Information

The **SAP S/4HANA Solution for Financial Services (S4X)** v6.3 30-day Trial has been created to effectively and substantially support the modernization and financial transformation efforts in the financial services industry throughout the entire value chain from value-to-customer to value-to-organization and value-to-business user.

Its applicability reaches financial services providers as well as consulting partners and integrators.

The solution aims at providing value from the moment of initial consideration to productive realization, and can be considered for greenfield deployments, legacy replacement of various amplitudes, or complete business transformation.

Its design and architecture have been carefully considered to allow a seamless extension and superior integration with other cloud- or on-premise applications.

## 1.1 Installed Products

You get access to a system (landscape) that has been built using the following installation media:

- SAP Hana Platform 2.0 SPS05 rev52 Linux x86\_64
- SAP Hana Cockpit 2.0
- SAP S/4HANA 1909
- S/4HANA FIN PROD SUBLDGR 1812
- SAP Profitability and Performance Management 3.0
- SAP Quotation and Underwriting for Insurance 1.2
- SAP S/4HANA TRBK 1.0
- SAP Payment Engine 9.0 Add-On Installation
- SAP Capital Yield Tax Management for Banking for SAP S/4HANA 1.0
- SAP S/4HANA Banking for Complex Loans 1.0
- SAP S/4HANA Insurance for reinsurance management 8.2
- SAP Screen Personas 3.0 Add-On Installation
- Ariba Cloud Integration Gateway add-on S/4HANA
- SAP Commerce 1905
- SAP Commerce, financial services accelerator 2002

## 1.2 Overview

The Solution consists of a completely functional, integrated and extensible virtual landscape with predefined business content that supports best practices in financial services, notably Banking and Insurance, as well as a number of logistic scenarios that extend the reach of the traditional banking or insurance services and business model.

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Certain installed components (Financial Products Special Ledger and Profitability and Performance Management) in conjunction with distinct organizational structures provide an experiential environment for specific accounting standards and practices (LDTI, IFRS9, IFRS17) applied in parallel with other international, local and special principles and norms.

The solution is based on the last generally available software components, applications and versions.

## **1.3 Scenario Description**

Once the solution is replicated and configured for use, it allows the execution of a number of predefined comprehensive business scenarios supported by accompanying documentation.

Fit/gap analyses, impact analyses, cost/benefit analyses and project estimations can be better substantiated.

The effect on business users as well as end-users can be gauged.

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## 2 Accessing the Solution

Access to the solution is based on initial pre-defined suitably authorized users with administration authority and logon parameters (like URLs and IP addresses) dynamically obtained during solution replication.

The present Getting Started Guide works in conjunction with a MS-Excel bootstrap accelerator file ("bootstrap file" - *s4x\_v63\_Getting\_Started\_Bootstrap.xlsx*) that generates, based on actual instance parameters, the logon values for access. Its sourcing, maintenance and use are detailed in section 5.2 below.

For general administration, an initial master password of the system has to be provided in the SAP Cloud Appliance Library when creating the instance.

Note that the bootstrap also – list the "One-Time Technical Setup" that need to be done after the instance creation.

### 2.1 Overview

- The replicated solution is managed by an administrator belonging to user's organization.
- The administrator has, among other responsibilities, the duty to assist the end users (business users), based on the provided documentation and accelerators.
- The solution landscape and components can be accessed in three ways:
  - Fiori UI5 via browser (best: Chromium-based such as Chrome or the new Edge).  
This is the preferred/normal access by business users for business process execution
  - SAP GUI / SAP Logon  
This method is normally restricted to technical users.
  - Remote Desktop access to the Frontend Server.  
This method provided OS/DB access and must be restricted for access only by the solution administrator for advanced maintenance, usually not required in the trial period.

### 2.2 Windows Frontend Server Details

Connection to the Frontend server is made using Remote Desktop using parameters (user ID, password, IP address/server) out of which some are dynamically derived, provided by the bootstrap file.

### 2.3 ABAP Application Server Details

The SAP logon parameters are provided by the bootstrap file.

While the SIDs and Instance numbers are prescribed, the Application Server is variable (FQDN).

The administrator is required to assist the end-users with configuring the **hosts** file and create the SAP Logon connections accordingly.

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## 2.4 Database Server Details

Connection to the Database server is made using Remote Desktop using parameters (user ID, password, IP address/server) out of which some are dynamically derived, provided by the bootstrap file.

## 2.5 OS Users Groups and OS Level Access

System user IDs with admin level authorization required for additional technical access for particular applications, including OS and database level are pre-delivered. Their complete access credentials are created during the instance activation.

The required information is provided by the bootstrap file, which is part of the solution documentation. The local platform administrator is responsible to filter this information and distribute relevant portions to users according to local policies and individual responsibilities.

## 2.6 Additional Users

As deployed, the solution instance is accessible via a pre-delivered reference user (ZS4B01, ZS4I01). The solution administrator can and should use the pre-delivered user ID as a reference to create individual user IDs for the organization, according to local policies and conventions.

The required information is provided by the bootstrap file, which is part of the solution documentation.



### 3 Licenses and Fees

SAP CAL is a platform for quickly using SAP on-premise software products in a cloud environment provided by one of the hyperscalers for which the solution has been validated (listed on the solution page).

Three separate commercial agreements/contracts define the independent cost factors and/or licenses that bind you during your instance creation and utilization:

- a) Your hyperscaler of choice, that provides the virtual environment.  
Your hyperscaler will charge fees, usually with a fixed component and a variable component determined by active instance time, as specified in your agreement/contract.
- b) SAP Cloud Appliance Library (CAL), that provides the solution deployment.  
CAL charges a monthly fee per solution. A minimum of three months of commitment are required.
- c) SAP Product Licenses covering the software applications and components activated in your instance (S4HANA and other as specified in the relevant section below)

The S4X solution can be activated in three scenarios:

- a) SAP CAL 30-day trial
- b) SAP CAL Extended over 30 Days (minimum 90-day commitment required)
- c) On-Premise. This deployment channel is not covered with further details in this document.

The table below provides an overview.

	SAP CAL 30-Day Trial	SAP CAL > 30 Days	On Premise
SAP Product Licenses	No Usage covered by web-based terms and conditions form on cal.sap.com	Yes (see Note 1) Bring your own (trial) licenses. Appliance has 90-day temporary license keys as a courtesy	Yes (see Note 2) Bring your own (trial) licenses. Appliance has 90-day temporary license keys as a courtesy
SAP CAL License	No Usage covered by web-based terms and conditions form on cal.sap.com	Yes Monthly CAL subscription required (can be purchased from SAP Store; see also CAL FAQ)	No
Hosting Fees	Yes	Yes	No
Infrastructure and Hardware	No	No	Yes
Support	SAP Community	SAP Incident (BC-VCM-CAL)	SAP Incident (BC-INS-SRN)

Note 1: For SAP customers: Free 90-day trial licenses suffice for non-productive usage and can be obtained by contacting your SAP Account Executive or from the SAP Store (customer self-service). For SAP partners fitting T&D licenses suffice.

Note 2: See SAP Note [2041140](#) for details. For this deployment channel please contact your SAP Account Executive.

**The SAP Solution functionality is not restricted in any way in any of these deployment scenarios.**

**Trial licenses do not allow productive/lucrative use.**

**Changes effected during the 30-day free trial cannot be exported/transferred to another instance unless you extend the solution to a different utilization scenario.**



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## 3.1 Running Solution in CAL as 30-Day Trial

In the first 30 days, the SAP license fees (CAL & S/4HANA) are waived. During this period, you only need to bear the hosting fees of your cloud provider.

The 30-day period starts when you accept the form for the trial agreement in the CAL console (after clicking on “Create Instance”).

During the instantiation, the S/4HANA system will generate a temporary license key that is enough for exploration purposes.

There is no restricted functionality

## 3.2 Beyond 30 days: Running Instance with SAP Licenses

If you want to use an appliance beyond the 30-day trial period (i.e. [unlock the solution in SAP CAL](#)), you need to obtain two SAP licenses:

1. The SAP Cloud Appliance Library (SAP CAL) subscription
2. The SAP product licenses

The validity of these licenses will be automatically checked after the first 30 days. In case of a missing license component an error message will be displayed in the SAP CAL console and the respective solution will stay in status “Suspended”.

The cloud provider fees will stay the same as during the first 30 days.

You can continue to use a trial instance from the first 30 days under these conditions, all your changes in that instance will be preserved once you unlock the solution.

### 3.2.1 SAP CAL subscription

You can purchase the subscription package via the SAP Store on <https://www.sapstore.com/solutions/99007/SAP-Cloud-Appliance-Library>.

The minimum subscription is 3 months for one instance (i.e. you can have exactly one instance active at a time during these 3 months). You can also choose longer subscription periods and higher instance numbers (i.e. you can activate multiple solutions in parallel).

In the SAP Store, you will need an S-user that has the “SAP Store buyer role” assigned. Please make sure that the SAP Store user and the SAP CAL user belong to the same organization, otherwise the mapping between the license and the to-be-unlocked instance is not possible.

## 3.2.2 SAP Product Licenses

### Running Solution with a Product License Key and SAP CAL Subscription

To use the instance created from this solution under your own SAP Product License Agreements, you must unlock the solution in SAP Cloud Appliance Library. As a prerequisite you must own the required SAP Product licenses and need to purchase the SAP Cloud Appliance Library subscription package. For more information, see [Unlocking Solutions](#).

If you don't possess these licenses already, you can obtain them via your SAP account executive.

The CAL infrastructure checks whether the customer/partner organization of the S-user who created the instance in SAP CAL possesses these licenses. Only if this check is passed, the CAL instance can be activated.

The licenses entitle your organization to use the appliance, however, since technically you will still be running under the 90-day temporary license key, we recommend generating your own license key and apply it to your system as soon as possible. 90 days after the initial instance creation, the system will stop working without these technical license keys (see the next chapter for details).

### Running Solution with a Product License Key

To get license keys for your system components, you first need to register them as a customer installation (see <https://support.sap.com/en/my-support/systems-installations.html>).

Afterwards you can request license keys via the SAP license key application (<https://support.sap.com/licensekey>).

During the license key generation, you will be asked for certain parameters (hardware keys and other system properties). See the table below for details.

SID	Product/Version	DB/OS <sup>*)</sup>	Other Parameters	Where to apply <sup>**) </sup>
CS6	SAP S/4HANA SAP S/4HANA 1909	SAP HANA		Logon via SAP GUI TCode SLICENSE
CJ6	SAP NetWeaver SAP NetWeaver 7.5	SAP HANA	License Type: J2EE - Web AS JAVA	NW Administrator > Configuration > > Infrastructure > Licenses.
HD1, HD2	SAP HANA, platform edition SAP HANA 2.0		Memory Volume: 512 GB	Logon into Remote Desktop Open HANA Studio in Eclipse: right- click System > Properties > License.

\*) for all VM of the S4X solution provided by CAL, the OS is Linux

\*\*) before accessing the license key generator, collect the Hardware Key(s) present at the same location. They are required for key generation.

Generate and download ALL licenses created in the process for each SID.

Do not change the file name or extension of the generated files.

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Note: for S4X instances created on Multi Cloud managed accounts or otherwise independently billed to a SAP CC, SAP employees can generate and apply SAP-INTERNAL license keys (18 months validity) directly in the license key application.

## **Product/Application Required Licenses**

To use an instance under your own SAP Product License Agreements, you need to possess at least a license for the SAP HANA DB (application runtime) and for SAP S/4HANA Enterprise Management professional use.

The S4X solution includes additional components, applications and products for which temporary licenses are provided as a courtesy during the 30-day trial and the first 90-day period of CAL subscription.

Please consult the list of applications in Section 1.1 and the complete list in Appendix 7.

For tailored installations we recommend contacting your SAP Account Executive and/or system integrator early, to determine the licenses required for your particular scope and system role.

## **Running Solution with a Developer License**

This solution can be used for development purpose under the perpetual Developer License Agreement. Note that you can install only “Minisap” license keys that can be renewed as long as you adhere to the Terms and Conditions of the Developer License Agreement.

## 4 Security Aspects

Be aware that creating your instances in the public zone of your cloud computing platform is convenient but less secure. Ensure that only port 22 (SSH) is opened when working with Linux-based solutions and port 3389 (RDP) when working with Windows based solutions. In addition, we also recommend that you limit the access to your instances by defining a specific IP range in the Access Points settings, using [CIDR notation](#). The more complex but secure alternative is to set up a virtual private cloud (VPC) with VPN access, which is described in [this tutorial](#).

The list below describes the ports opened for the security group formed by the server components of your solution instance:

To access back-end servers on the operating system (OS) level, use the following information:

Protocol	Port	Description
SSH	22	Used for SSH connection to Linux-based servers
SAPGUI	3210	Used for SAPGUI and ABAP in Eclipse to establish connection to SAP Application Server
S4HANA HTTPS	44310	Used to establish Fiori/S4HANA HTTPS connectivity
XSA-XSUA	30132 (A1) 30232 (A2)	XSA Authentication
XSA-FSPRO	52001	Access to PQM FSPRO
XSA-FSQUO	52002	Access to PQM FSQUO
XS-HANA-HTTPS	4301	Access to XS Engine
XSA-Cockpit	51033	Access to XSA Cockpit
XSA-WebIDE	53075, 51010, 51022	Access to WebIDE (by default – it is disabled)
Commerce	9002	Access to SAP Commerce/FSA (by default – it is disabled)
Cloud Connector	8443	Access to SAP Cloud Connector (by default – it is disabled)
RDP	3389	Used for RDP connection to Windows based servers
Hana Cockpit Admin	51028	For A2_HANA_SUPP vm
Hana Cockpit Access	51026	For A2_HANA_SUPP vm
J2EE HTTPS	52001	For ADS @ A2_HANA_SUPP vm

You must change the initial user passwords provided by SAP when you log onto the system for the first time.

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Note that when using **HANA based appliances**, HANA systems are not installed individually but **cloned from a template system**. Because of this cloning process, the existing root keys are cloned. For more information, see this [SAP Note 2134846 - HANA encryption key handling during system cloning](#).

For more information about security vulnerabilities, see this [community page](#).

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## 5 Solution Provisioning in SAP Cloud Appliance Library

### 5.1 Prerequisites


If you have a user in SAP Cloud Appliance Library, you need to meet the following prerequisites before starting to use the SAP Cloud Appliance library:

#### Cloud Provider Configurations

You have a valid account in one of the cloud providers supported by SAP Cloud Appliance Library. If you already have an active cloud provider account, you can proceed directly with the next section. Otherwise, navigate to the cloud provider home page and sign up.

#### Navigate to SAP Cloud Appliance Library

Open the SAP Cloud Appliance Library in your Web browser using the following link: <https://cal.sap.com>

For more information about how to use solutions in SAP Cloud Appliance Library, see the official documentation of SAP Cloud Appliance Library (choose [Support](#) → [Documentation](#) link and choose  (expand all) button to see all documents in the structure).

You can also use the context help in SAP Cloud Appliance Library by choosing the Help panel from the right side: 

To familiarize yourself how to use SAP solutions in SAP Cloud Appliance Library, go to [this topic](#).

### 5.2 Instance Creation and Set Up

In preparation for instance setup, please download and save locally a copy of the file

***s4x\_v63\_Getting\_Started\_Bootstrap.xlsx*** (referred further in this document simply as 'Bootstrap') from

<https://sap.sharepoint.com/:f:/s/116822/EuCttI9CsRxLiDnnANdSRSkB7Zlqx4QrOiU0b60BWnttog?e=fUamiv>

Password: ***s4x63@public***

The procedure below is intended at the instance administrator. It is assumed that the instance administrator has full maintenance rights in both SAP CAL and Cloud Provider accounts.

It is further assumed that the system administrator has been acquainted to a certain extent with SAP CAL procedures, screens and support features, and can execute basic tasks in S/4HANA.

While experiencing the solution is essentially similar on a Windows PC or an Apple Mac, the instructions below have been written with a Windows PC in mind.

Technically, it is assumed that the presentation server has local installations of:

- SAP GUI 760 PL4 or higher
- A browser based on Chromium 80 or higher (current versions of Chrome or the new Edge)

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## 5.2.1 Project and Master Password

Before creating the instance, decide on a project name and an instance master password.

Capture the values in the Bootstrap.

### Project Name

A 3-8 char string containing only lower-case letters and numbers, starting with a letter. This string will become part of the FQDN structure for the virtual machines. Do not use the string 'fsi' please.

### Master Password

The structure of this password must comply with the following rules:

- The valid characters are: A-Z, a-z, 0-9, \$, #, \_
- The first character must be one of the following: A-Z, a-z, \$, #
- The first 3 characters cannot be one and the same
- The password must contain at least 1 lowercase letter(s)
- The password must contain at least 1 uppercase letter(s)
- The password must contain at least 1 digit(s)
- The password must be between 10 and 40 characters long

## 5.2.2 CAL Instance Creation

In the [CAL solution page](#), select 'Create Instance'

Select 'Advanced Mode' (bottom right) and navigate through the steps as indicated below:

1. Account Details:
  - a. Account: Select your Account if not defaulted
2. Instance Details
  - a. Name: enter a short ID of the instance. This is not the project name.
  - b. Description: optional. For maintenance redundancy you can record here the instance master password. It will only be accessible to your CAL Account owners and users, not to regular instance users.
  - c. Number of instances = 1
  - d. Region: Select one (depends on your account with the cloud provider)
  - e. Network: Select one that provides the type of access that you want (typically – outside firewall to enable wider access)
  - f. Subnet: select from available options
  - g. Public Static IP Address = Selected/Checked  
Failing to maintain this selection will lead to the generation of a different set of IP addresses each time the instance is activated.
3. Virtual Machines  
Accept all defaults and continue
4. Solution Password  
Enter here the instance Master Password that you have chosen (Section 5.2.1)
5. Solution Properties
  - a. Tenants: **DO NOT CHANGE**
  - b. Project = overwrite with the Project Name that you have chosen (Section 5.2.1)



## 6. Schedule Details

- a. Time Zone: select your scheduling time zone
- b. Scheduling Options<sup>1</sup> (select one as desired; can be changed whenever necessary).  
Recommended: **Activate the instance 30 min before the effective work start**<sup>2</sup>
  - i. Activate and suspend by schedule: the instance be active as follows:
    1. Daily: each day between the From-To specified hours
    2. Weekly: each selected day of the week, between the specified hours
    3. Advanced: different From-To hours for each day of the week
  - ii. Suspend on exact date: the solution is implicitly active. It will suspend at the date and time specified.
  - iii. Manually Activate and Suspend: execute as required from the CAL console.  
Note that the cost estimation will assume an instance operating 24/7 for 30 days

You can now **Review** and **Create** the instance.

IMPORTANT: DO NOT ATTEMPT TO ACCESS/LOGON DURING THE ACTIVATION PROCESS

## 5.2.3 Finalize the Bootstrap

After the instance has been activated, return to the instance page in the CAL console.

Collect the external IP addresses of the two virtual machines and input them in the Bootstrap file where indicated.

Save and back up the Bootstrap file.

## 5.2.4 Initial Access and One-Time Setup

Maintain the local **hosts** file as indicated in the Bootstrap.

Create a SAP GUI connection to the CS6 system using parameters specified by the Bootstrap file.

Perform the operations indicated in the [One Time Setup] worksheet of the Bootstrap file.

## 5.2.5 Additional Users

Unlimited additional users can be created for your organization. The detailed procedure is specified in Section

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<sup>1</sup> Scheduling is the single most important cost control parameter. The estimated costs indicated on the CAL console solution page dynamically adjust depending on scheduling

Note that *fractions of an hour are usually considered whole hours for billing purposes*.

<sup>2</sup> IMPORTANT: Do not attempt to access the instance during the activation time.

Note that *the activation time is usually considered active time for billing purposes*.

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## 6 Individual User Creation and Logon

### 6.1 Preamble

While Single-Sign-On (SSO) can be enabled in a single-deployment installation, technical constraints imposed by the creation of a reference image deployable on request made this impossible for the 30-day exploration environment. Consequently, the end-user is required to logon twice at the beginning of the work session

The reference user ID and the individual user setup assume the highest possible authorizations. This is a deliberate decision, intended to enable unrestricted exploration.

The predefined roles and authorizations have the role to exemplify and to make the user interaction more meaningful and more intelligible. While recommended for extended exploration of a sandbox environment they are unsuited for a real productive environment. The actual realization of access/user policies, roles and authorizations is a task for the realization project.

The Bootstrap accelerator covers all systems and parameters intended for all applications. The information is too sensitive to be shared unfiltered with the end users.

WE STRONGLY RECOMMEND THAT THE INSTANCE ADMINISTRATOR CREATES A FIXED SUBSET OF DATA THAT CAN AND MUST BE SHARED WITH ALL INDIVIDUAL USERS, WHILE MAINTAINING DISCRETION ON PARAMETERS THAT NEED ONLY TO BE SHARED ON A NEED-TO-KNOW BASIS.

After the initial system setup we recommend to the administrator to create a user ID for her/himself as described below, then block the user ZREF\_ALL (do not delete however!)

### 6.2 User Creation

The User ID must be created in two realms: S/4HANA and XSA. Follow this procedure, using the parameters provided by the Bootstrap file:

Logon (SAPGUI) into CS6

- Use transaction SU01 to create the User ID as a copy of ZS4B01 or ZS4I01
  - o Accept the default copy areas (make sure DBMS is selected)
  - o [Logon Data]
    - Maintain the [routine] New Password
  - o [Address]
    - Maintain the Last and First Name
    - Maintain the email address (real for real persons, please!)
  - o [DBMS]
    - Maintain the email address (same as above)
- SAVE (Ctrl + S)

Logon (browser) into XSA Cockpit as XSA\_ADMIN

- Select 'User Management' in the left navigation pane
- Press the button "Migrate SAP HANA User"
- In the dialog box: Select the User ID created above (use the search function and scroll)

- Migrate
- Scroll to the line that contains the newly migrated user ID. Using the command symbols (right)
  - o Edit (pencil): completely maintain the first and last name
  - o Assign Role Collections (person with lockpad)
    - Click the "Add" button to go to the list; select; OK to confirm selection
      - Assign the following additional role collections: Assign\_Submission\_RC; Application\_Installer\_RC; Administrator\_RC; UW\_User\_RC
  - o SAVE
- Log off XSA

## 6.3 Logon

Prerequisite: The administrator must enact the maintenance of the *hosts* file on each user's presentation server.

The data to be appended is provided in the Bootstrap file (D19:F21). For ease of reference the procedure below can be communicated to the users, provided they have administration rights on their machines.

### Maintenance Procedure for the local *hosts* file (Windows)

- Open Notepad with elevated privileges
  - o Use the Windows search or press the Windows logo on the keyboard
  - o Type the first few letters e.g. 'note'
  - o Right-click the Notepad App and select 'Run as administrator'
  - o Confirm/Yes/OK when required
- Open the menu *File > Open* (or press Ctrl + O)
- Paste the string below into the 'File' field, and confirm/Open/Enter  
**C:\Windows\System32\drivers\etc\hosts**
- Navigate to the end of the file
- Append (copy and paste) the block of values communicated by the system administrator
- Save (*File > Save* or Ctrl + S) and exit Notepad

Precautions:

- Do NOT open the file in a word processor such as MS Word
- Do NOT save the file with an extension (such as *hosts.txt* or *hosts.asc* etc.)

### 6.3.1 Business User

Routinely the business user accesses the system via the complex/extended Fiori Launchpad.

Use a Chromium 80 or higher based browser (Chrome or the New Edge)

Requirement: Open the project URL (example below; the administrator must communicate the actual URL (Bootstrap D80) <https://vh-MyProject-HD1.fsic.sap.corp:52002/sap/bc/ui2/flp>

Hint 1: Add a person (Chrome) or a Profile (New Edge) and bookmark the S4X URL in that profile. Among other effects, this allows cache cleaning per profile, without affecting your other browsing

Hint 2: for role-based demos, consider creating multiple profiles and work/logon with each role in a dedicated profile. In each profile, go to Settings and set the S4X URL to open the tab automatically at startup.

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Hint 3: (Chrome) launch the URL **chrome://flags/#same-site-by-default-cookies** and set “Same Site by Default” and “Cookies without Same Site must be secure” as **Disabled**.

#### Initial Logon

- The user is presented with the XSA security login (SAP HANA XS Advanced)
  - o Enter the user ID and the initial password communicated by the administrator
  - o Change the password
    - Enter current password
    - Enter the productive/new password twice<sup>3</sup>
- Re-logon with the new productive password
- The user is presented with the Fiori Launchpad login
  - o Enter the user ID and the initial password communicated by the administrator
  - o Change the password
    - Enter the initial password
    - Enter **the same productive password as above**, twice

#### Subsequent Logon

- The user is required to logon twice (first in XSA, second in the Fiori Launchpad)

## 6.3.2 Technical User

Technical users may require SAP GUI access. As a prerequisite, their local workstation has a local SAP GUI installation (760 PL4 or higher is recommended)

A local connection must be created as follows:

- At the initial screen: press ‘Next’
- Maintain parameters:
  - o Description = e.g. S4X v63 (free entry)
  - o Application Server = [value in Bootstrap D26] (must be communicated by the administrator)
  - o Instance Number = 10
  - o System ID = CS6
- Next > Next > Finish

## 6.3.3 Expert Access

Deep access to certain components can be granted by the administrator on a need-to-know basis. Caution must be exercised as all admin layers share the same master instance password.

IMPORTANT: Certain J2EE components (PQM in particular) require Internet Explorer 11 in Compatibility mode. More details in the bootstrap file.

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<sup>3</sup> Use standard SAP-recommended strength: 8 or more characters, upper- and lower case, special characters, no spaces

## 7 Appendix

### Installed Software Components

Name	Release	Support Package Stack	Description
SAP_BASIS	754	3	SAP Basis Component
SAP_ABA	75E	3	Cross-Application Component
SAP_GWFND	754	3	SAP Gateway Foundation
SAP_UI	754	5	User Interface Technology
ST-PI	740	13	SAP Solution Tools Plug-In
SAP_BW	754	3	SAP Business Warehouse
UIBAS001	500	3	UI for Basis Applications
MDG_FND	804	3	MDG Foundation
S4FND	104	3	Foundation
S4FSFND	100	2	Financial Services Foundation on SAP S/4
MDG_APPL	804	3	MDG Applications
MDG_UX	804	3	MDG Applications
S4CORE	104	3	S4CORE
S4CRM	204	3	S4CRM
SAP_HR	608	85	Human Resources
EA-DFPS	804	3	SAP Enterprise Extension Defense Forces & Public Security
EA-HR	608	85	SAP Enterprise Extension HR
EA-PS	804	3	SAP Enterprise Extension Public Services
FI-CAX	804	3	FI-CA Extended
FS-RI	804	2	Financial Services - ReInsurance
INSURANCE	804	3	SAP Insurance
IS-OIL	804	3	IS-OIL
IS-PRA	804	3	SAP IS-PRA
IS-PS-CA	804	3	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	804	3	SAP Utilities/Telecommunication

Name	Release	Support Package Stack	Description
NXI	300	11	Performance Management
S4COREOP	104	3	S/4HANA, On-Premise only parts
UIFSIPW	310	2	UI for SAP Workplaces for Insurance 310
ARBCI1	10S	10	ARBCI1 100: Add-On Installation
ARBCI2	10S	8	Ariba Cloud Integration for SAP ERP EHP4
CB4HANA	100	1	Operational Banking for S/4HANA
GBX01HR	600	17	FIORI X1 HCM
GBX01HR5	605	14	FIORI X1 HCM
POCB4H	100	1	Process orchestration layer CB4HANA 100
S4FPSL	100	3	SAP S/4HANA Financial Products Subledger
SRA004	600	11	Create Travel Request OData Integration
UIAPFI70	700	3	UI SFIN
UICB4H	100	1	Core Banking4HANA 100
UIFPSL	100	1	UI for Financial Products Subledger 100
UIFSRI	110	2	UI for FS-RI
UIHR002	100	11	UI for ERP Human Capital Management 100
UIMDG001	200	9	UI for MDG
UIS4HOP1	500	3	UI for S/4HANA On Premise
UITRV001	300	5	UI for Travel 300: Add-On Installation
CYT4HANA	100	1	Capital Yield Tax for Banking for S/4HAN
LOANSWP	100	3	Loans Workplace
LOANSWPU	100	3	Loans Workplace UI
PAY-ENGINE	500	9	SAP Payment Engine
PERSONAS	300	11	PERSONAS - SAP GUI PERSONALISATION
PEUI	500	9	UI Pay-Engine 500
ST-A/PI	01T_731	3	Servicetools for SAP Basis 731 and highe
SAP_BASIS	754	3	SAP Basis Component
SAP_ABA	75E	3	Cross-Application Component
SAP_GWFND	754	3	SAP Gateway Foundation
SAP_UI	754	5	User Interface Technology

Name	Release	Support Package Stack	Description
ST-PI	740	13	SAP Solution Tools Plug-In
SAP_BW	754	3	SAP Business Warehouse
UIBAS001	500	3	UI for Basis Applications
MDG_FND	804	3	MDG Foundation
S4FND	104	3	Foundation
S4FSFND	100	2	Financial Services Foundation on SAP S/4
MDG_APPL	804	3	MDG Applications
MDG_UX	804	3	MDG Applications
S4CORE	104	3	S4CORE
S4CRM	204	3	S4CRM
SAP_HR	608	85	Human Resources
EA-DFPS	804	3	SAP Enterprise Extension Defense Forces & Public Security
EA-HR	608	85	SAP Enterprise Extension HR
EA-PS	804	3	SAP Enterprise Extension Public Services
FI-CAX	804	3	FI-CA Extended







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