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This tutorial guides you step by step through the installation of SAP GUI and the use of SAP S/4HANA on Windows, macOS and iPad/iPhone (or alternatives for mobile use).1 Introduction: What is SAP GUI and SAP S/4HANA?SAP GUI (Graphical User Interface) is the classic desktop client for accessing SAP systems. To use SAP S/4HANA, you need either- SAP GUI for Windows or macOS for accessing the backend (ABAP environment).- SAP Fiori Launchpad for modern web-based access.- Remote desktop or cloud solutions for use on mobile devices.2. SAP GUI for Windows - Installation and use.2.1 System requirements- Operating system: Windows 10 or Windows 11 (64-bit recommended)- Hard disk space: At least 2 GB free space- RAM: At least 4 GB (8 GB recommended)- Network: Access to SAP server or demo system2.2 Download SAP GUI for Windows1. download SAP GUI from SAP- Official SAP GUI installations are available via the SAP Software Download Center (requires S-User with download authorization).- Alternatively: If you do not have an SAP account, you can secure an S/4HANA demo instance via SAP Developer Trials.2. navigate to:- Open the browser and go to SAP Support Portal.- Log in with your S-User ID.- Go to Downloads > SAP Frontend Software.- Select the latest version of SAP GUI for Windows (e.g. 8.00 or 7.70).3. download installation file- Download the SAP GUI EXE file (e.g. SAP_GUI_800.exe).- Save the file in an accessible location.2.3 Installing SAP GUI for Windows1. start SAP GUI Installer- Double-click on SAP_GUI_800.exe to start the installation wizard.2. follow the installation steps- Accept the license conditions.- Select the standard installation path or enter your own.- Leave all standard components selected.- Click on Install and wait until the installation is complete.3. start SAP GUI- After installation, open SAP Logon (via the Windows Start menu).- If the icon is not visible, search for SAP Logon.2.4 Setting up the connection to SAP S/4HANA1. open SAP GUI- Start the SAP Logon application.2. create new connection- Click on New or Add system entry.3. enter server dataIf you have access to a demo version or an enterprise system, enter the following:• Applikationsserver: (z. B. s4hana.demo.sap.com)- System number: 00- Client: 100 (depending on the environment)- User & password: Provided by the SAP administrator.4. test the connection- Click Test to ensure that the connection is successful.- Save and connect.3. SAP GUI for macOS- Installation and useSAP GUI for macOS is provided via a different method than Windows, as there is no native GUI. However, you can use SAP via SAP Business Client, Remote Desktop or SAP Fiori.3.1 Installation of SAP GUI for macOS (via Java-based solution)1. download SAP Java GUI- Visit the SAP Support Portal: Go to Software Downloads > SAP GUI for Java.- Download the file SAP_GUI_for_Java.dmg.2. install SAP GUI for Java- Double-click on the downloaded .dmg file.- Drag the SAP GUI for Java app into the Programs folder.3. starting and configuring- Open SAP GUI for Java.- Add a new connection and enter the SAP server data.3.2 Alternative: Use via SAP Fiori (browser-based)- If no installation is required, you can also use SAP S/4HANA via the SAP Fiori Launchpad.- Open Safari or Chrome.• Gehen Sie zu: [https://sap/bc/ui5 ui5/ui2/ushell/shells/abap/FioriLaunchpad.html](https://sap/bc/ui5_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html)- Log in with your SAP access data.4. SAP GUI on iPad/iPhone - Alternative useAs SAP GUI is not directly available on iOS, there are three alternatives:4.1 SAP Fiori App1. install SAP Fiori Client from the App Store.2. establish a server connection:- Start the app.- Enter the Fiori URL of the company (e.g.).- Please log in.4.2 Remote Desktop (RDP) to a Windows systemIf your company requires an SAP GUI:1. install the Microsoft Remote Desktop (RDP) app from the App Store.2. connect to a Windows PC or terminal server on which SAP GUI is installed.4.3 Using SAP Business Technology Platform (SAP BTP) web applications- If your company uses SAP in the cloud, you can access it via or via your own company links. If you're using a Mac and need to set up SAP GUI, this guide will walk you through the process step by step. Whether you're new to SAP or just need a refresher, you'll find everything you need to get started.To download SAP GUI for Mac from the official SAP website, you will need an S-user ID, which is provided to SAP customers and partners. Follow these steps if you have access:If you don't have an S-user ID, you can search on Google, and you'll find many download links.If you're an elite member of my YouTube channel, you can download the file from Google Drive for channel members. Check this link for details.Once you've downloaded the installation package, follow these simple steps to get SAP GUI running on your Mac:If the file is in a ZIP format, double-click on it to extract the contents to a new folder.The installation wizard will guide you through the setup process.Follow the on-screen instructions, selecting the default options for a standard installation.Continue clicking "Next" until the installation is complete.Once the installation is finished, you'll see a confirmation message.Close the installer.You can now find SAP GUI in your Applications folder.Open SAP GUI and start connecting to your SAP systems.In SAP GUI for Java, you need to get to the "Advanced" tab, click "Expert mode," and enter the SAP server connection string. For example, the string can look like this: (random numbers used)conn=/H/192.168.1.1/S/3202The address goes between /H/ and /S/, and the system number goes to the end of the string. If your system ID is 00, you need to enter 3200. If your system ID is 07, you need to enter 3207.In case of using SAP Router, the SAP Router string will go between /H/ and /H/ as below:conn=/H/172.217.0.0/H/192.168.1.2/S/3200 Share — copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution — You must give appropriate credit , provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions — You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. This guide will show the process for installing SAP GUI 7.50 on your macOS workstation.SAP GUI 7.50 requires Java 8 to run. You can download Java 8 JDK from the following link.Download link: <jdk-8u144-macosx-x64.dmg>Once downloaded, double-click on the .dmg file.Double click the icon to begin installation processClick Continue.Click Install.Press Close.Step 2: Install SAP GUIDownload SAP GUI 7.50 installer from the following link Dowload link: PlatinGUI750_5-80002494.jarDouble click the jar file you downloaded.You should receive this message. Click on OK.Open your macOS System Preferences.Click on Security & Privacy.At the bottom, click on Open Anyway.When the SAP GUI installer shows up, click Next.Click on Next.Leave the settings as it and click Install.Once the installation is done, click Close.Step 3: Setting up connectionOnce installed, you will need to create connection. Open SAP GUI 7.50 by double clicking the icon in Applications.Click on New Connection, then go to Advanced.For description, you can enter anything you want. Click the Expert Mode checkbox next to Expert Settings. Enter the following string inside the textbox:conn=/H/saprouter.hcc.in.tum.de/S/3298/H/s80z/S/3200Click on Save. How-to articles I recently installed SAP GUI on my MAC . OS yosemite . After some pitfalls I managed to make it up and running. So , I thought of writing the steps followed for others striving to achieve the same .1) Download the JRE8 u 45 from the below linkJava SE Runtime Environment 8 - DownloadsSelect the "Mac OS X x64" option in the above link)2) Once the download is complete , install the same on your machine5) Download the SAP GUI for JAVA , from sap service market place , download centre by following the below linkA- Z Index | SAP Support Portal6) Click on the Index "G" .7) Enter user SAP service marketplace S-User credentials and locate "SAP GUI for JAVA" and click to open the link Click on the "SAP GUI For JAVA 7.40" link on the screen9) On the next screen , click on "MacOs" and in the "Download" subsection , select the "JAR" file , PlatinGUI740_2-20012037JAR , with the highest patch level , and add it to your download basket to download it .10) Finally download the "PlatinManual_2-20012037JAR" file from your download basket to your local machine11) Once the download is complete , look for the file "PlatinGUI740_2-20012037.zip" in your Mac12) Extract the jar file by double clicking the downloaded file .• "PlatinGUI740_2-20012037.zip"13) Open the extracted folder , and locate the "GuiStarts.jar" file14) Double click the "GuiStarts.jar" file and start installing the SAP GUI for JAVA on your machine15) Follow the steps shown , by clicking "Next"16) Once the installation is complete , you will find the "SAP GUI for JAVA" logon pad in your Launchpad17) Next step is to add an SAP system . To do that open the "SAP GUI for JAVA" logon pad18) Next select "JAVA GUI services" in the dropdown next to Delete icon19) Now push the "Create New" icon button , button next to "Connect" button on the Top Left corner20) In the window open , add description and navigate to "Advanced" tab21) Select the checkbox : Expert Mode and add the connection string as belowconn=/H//S/3299/H/S/32e.g.conn=/H/xx.xxx.xx/S/3299/H/abc.corp.com/S/3201Note : For connection type server group , the connection string should be as below :conn=/M//S/G/22) Once done click OK . You will find the new system added in the SAP GUI log on pad23) Finally test the connection by selecting the added system and clicking on "Connect" buttonThere you go !! You are up and running .Hope you find this blog helpful . Component of SAP systems SAP GUI for Windows version 6.40Developer(s)SAPStable release8.00[1] / January 27, 2023; 2 years ago (2023-01-27) Written inC, C++Operating systemMicrosoft Windows, Java virtual machine SAP GUI is the graphical user interface client in SAP ERP's 3-tier architecture of database, application server and client. It is software that runs on a Microsoft Windows, Apple Macintosh or Unix desktop, and allows a user to access SAP functionality in SAP applications such as SAP ERP and SAP Business Information Warehouse (BW). It is used for remote access to the SAP central server in a company network. SAP GUI for the Windows environment and Apple Macintosh SAP GUI for the Java(TM) environment SAP GUI for HTML / Internet Transaction Server (ITS) Release Release date Latest patch End of life Features 1.0 First "GUI" for SAP software; no graphical elements like checkboxes, radiobuttons and icons 1.1 Field length indicated by background colors; fast paths in menus 2.0 New GUI for Windows 3.1 System and Application Toolbar added; icons in System Toolbar 2.1 New graphical elements: checkboxes, radiobuttons, group boxes and push buttons on screen 3.0 Table control introduced; icons added to buttons 3.1 1996 Windows95-look with flat buttons; tabstrip control and ABAP List Viewer (ALV) introduced 4.0 Screens contain more information to reduce navigation 4.5 Active X elements introduced; ALV is now based on grid control 4.6J July 2000 GUI is re-designed; multiples-areas are introduced to reduce need for screen changes 6.10 July 2001 6.20 March 2002 December 31, 2010 Scripting added [2] 6.40 June 2004 December 31, 2010 Unicode support extended; accessibility and usability improved 7.10 February 2007 April 12, 2011 Support for Microsoft Vista and Office 2007; new "Tweak SAP GUI" tool; new ABAP front-end editor 7.20 April 2010 17 (final) April 09, 2013[3] Support for Windows XP; Windows 2003 Server; Windows Vista; Windows 2008 Server; Windows 7 and Office 2010; Built with Visual Studio 2008[4] 7.30 June 2012 15 July 15, 2015 Usability enhancements; new customization features; built with Visual Studio 2010 7.40 October 2014 19 November 9, 2019 Replaces Corbu with Blue Crystal; integrates SAP GUI for Windows 7.40 and Netweaver Business Client 5.0 7.50 May 2017 15 (final) April 9, 2019 7.60 February 2019 15 April 12, 2022 Introduces Belize theme, aligning GUI's visual design with the rest of SAP's Fiori applications. Retires Enjoy / Streamline / Tradeshow / SystemDependent themes. 7.70 January 29, 2021 16 April 09, 2024 8.00 January 27, 2023 12 January 12, 2027 The 64bit version; Quartz themes; Modernization of rendering engine and some additional features; HTML Control based on Microsoft Edge; Improvements; Usability improvements in many components; Improvements for SAP Logon; Branding images per system and client Release Release date Latest patch 7.10 October 31, 2007 11 7.20 December 22, 2009 10 7.30 December 10, 2012 10 7.40 December 5, 2014 13 7.50 August 14, 2017 15 7.70 March 16, 2021 9 7.80 September 19, 2022 10 8.10 October 14, 2024 4 SAP GUI on Microsoft Windows or Internet Explorer can also be used for single sign-on. There are several portal-based authentication applications for single sign-on. SAP GUI can have single sign-on with SAP Logon Ticket as well. Single sign-on also works in the Java GUI[5] SAP is a distributed application, where client software (SAP GUI) installed on a user's workstation is used to access the central SAP server remotely over the company's network. Users need to authenticate themselves when accessing SAP. By default, however, SAP uses unencrypted communication, which allows potential company-internal attackers to get access to usernames and passwords by listening on the network. This can expose the complete SAP system, if a person is able to get access to this information for a user with extended authorization in the SAP system. Information about this feature is publicly accessible on the Internet. SAP offers an option to strongly protect communication between clients and servers, called Secure Network Communications (SNC).[6] In total, the vendor has released 25 security patches (aka SAP Security Notes). One of the most notorious vulnerabilities was closed among the set of fixes released in March 2017. The vulnerability in the SAP GUI client for Windows allows remote code execution.[7] Also, researchers who identified the security issues pointed out that the vulnerability allows an attacker to download ransomware on the SAP server that would be automatically installed on every workstation within a company.[8] Since 1998 SAP GUI screens (so-called "DynPros") can be adjusted and customized with GuIXT. Now this can also be achieved with "SAP Screen Personas". Personas is installed on one of the SAP NetWeaver ABAP 7.0x or 7.3x servers in the system landscape. Then it can be used on all SAP NetWeaver ABAP servers with a kernel of 7.21 or higher, including on NetWeaver ABAP 7.11 systems (on which Personas cannot be installed directly). Native iOS and Android implementations of SAP GUI are available from GuIXT. Public key infrastructure Single sign-on Secure Network Communications Smartcard ^ "SAP GUI for Windows 8.00 is coming on 27th of January 2023: New Features & Lifecycle Information". Retrieved April 21, 2023. ^ "The SAP GUI Scripting API How to Automate User Interaction -Technology, Examples and Integration". Retrieved January 27, 2022. ^ "Lifetime and Support Matrix for SAP GUI for Windows". Retrieved July 22, 2018. ^ "Supported SAP GUI platforms". April 25, 2018. Retrieved July 22, 2018. ^ "Single Sign-on for SAP Java GUI". January 10, 2009. Retrieved July 22, 2018. ^ "Secure Network Communications (SNC)". Retrieved July 22, 2018. ^ Michael Mimoso (March 22, 2017). "SAP Vulnerability Puts Business Data at Risk for Thousands of Companies". Threatpost. |The first step for security news. Retrieved July 22, 2018. ^ "Can SAP Be Affected By Ransomware?" | SAP Cyber Security Solutions". erpscan.com. Retrieved July 22, 2018. SAP Support Portal (User-ID required). GUI 770 installation guide on windows Retrieved from " On this page: Ensure that you have Administrator privileges on the system. Ensure that you have 800 MB free on your computer's hard drive. If you are logged into SAPgui, log off and 'Quit' the SAPgui application. If you have an SAP folder on your hard drive within the Applications folder, make a note of the name of the folder. You will be able to revert to the prior version if necessary. If you have a Self Service Application in the Applications folder, login with your Kerberos name and password and you may be able to install SAPgui if it is listed. Follow the on-screen instructions and accept all default values to complete the install. A separate JDK installation is no longer required, as the Java Virtual Machine is included as part of the SAPgui installation. You only need SAPgui and Ticket Viewer. Download the SAPgui7.80.1 installer Result: The installer, SAPGUI_7.80_rev1_signed.pkg.zip, should now be in your Downloads folder, or on the Desktop. Double-click the zip file to extract the pkg installer. Double-click SAP GUI 7.80 rev1_signed.pkg to run the installer. Result: The Install SAP GUI window appears. Click Continue then click Install for the standard installation. You will be prompted to enter the credentials of an administrator account. Do so and then click Install Software. Installation will proceed Install SAP GUI will notify you when the installation is complete. Post-Installation Instructions A. SAPgui and Kerberos Tickets Acquire Kerberos tickets. Tickets are required to connect to SAP systems SAPgui may bring up the Ticket Viewer to prompt you to obtain Kerberos tickets. If not: You may see an error mentioning "Connection failed" SAPgui may stall at "Connecting..." Your SAPgui session may freeze. All of these behaviors mean that either you do not have Kerberos tickets, or your Kerberos tickets have expired. To resolve that issue, use the instruction below to get tickets manually. How to get Kerberos tickets manually Launch Kerberos Ticket Viewer located in (System/Library/Core-Services/Applications) Enter your Kerberos username (the first part of your @mit.edu email address), and your Kerberos password (the password used to check your @mit.edu email). Your Kerberos tickets will last for 10 hours only, and have to be manually renewed if you wish to remain in SAP longer. If you do wish to remain in SAP longer than 10 hours, it's a good idea to renew them at least 20 minutes or so before they expire. First Use Navigate on your Macintosh Hard Drive to Applications > SAP Clients > SAPGUI > SAPGUI. Drag SAPGUI to the dock for easy launch. Double-click SAPGUI or click the SAP icon in the dock. Result: SAP Logon pad launches. NOTE: If "Connections" does not have an option for SAP System "ACP SAP GRC Production", send an email to the Help Desk. Double-click Production to log in to SAPgui. NOTE: If the splash screen stalls at "Connecting...", see SAPgui and Kerberos Tickets. When connecting for the first time to Production, you may see a pop-up selection box. If it appears, select Productive: Fully Trusted. Needs access to local resources, then click OK. It should look like the prompt on this KB: If SAPgui remains unresponsive after getting new tickets, you may need to "Force Quit" the application. Follow the menu path Apple > Force Quit. Result: A popup window appears with a list of applications. Select SAPGUI. Press Force Quit. Press Force Quit again to confirm. SAP Business Technology Platform (BTP)