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Sap hana server installation and update guide 2.0

News – Installation and Update SAP HANA Platform We can be brief on what is new for installation and topical area update for the latest SAP HANA 2.0 SPS 05 version. NEW: We can enable encryption of data and registry volumes at the time of installation. We can now use the local secure store (LSS) for production. LSS was introduced last year with SPS 04. As documented, SAP HANA Server Installation and Update (new and modified) As described in What's New in the SAP HANA 2.0 SPS 05 overview blog, if compared, we can quietly put the theme area of installation and update in the field of bimodal IT number one: predictable. In fact, we must return to 2014 for the latest important innovations in this sector. The changes at the moment were coming so fast, we wrote a blog about it Since, it was an additional parameter here, a smaller increase there. SPS 04: persistent memory support and install_execution_mode SPS 03 parameter: software authentication verification and database selection for advanced XS SPS 02: AFL update without SPS 01 reboot: default installation to tenant database mode A good or bad thing? Very well, that would be my vote. You want operations to be predictable. The installation process for SAP HANA has been consistent for the last 6 years and with SPS 05 will remain the same for another five. If you are new to this topic, we can recommend the series of video tutorials and blog posts created for release SPS 02 (2018.) we cover the topic in detail for each component: server,study, advanced XS, etc. As little has changed, this information is still accurate. SAP HANA 2.0 Installation and update – from SAP HANA Academy SAP HANA Cockpit Although there are a lot of new features introduced with SAP HANA 2.0 cockpit SP 12, regarding installation and update we can be short: it is the same as before, no new features. The installation uses the same HDBLCM tool as for the database server and other components with a slight modification: we call the tool using a script (hdbclm.sh) instead of switching directly (hdbclm) some long parameters. To automate (batch), we can use the same process as with the database. This is illustrated below in this blog. From the first release of SAP HANA cockpit 2.0 with SAP HANA 2.0 SPS 00 in 2016 only once there was a voice for the topic Installing and updating with SP07: support for installation in existing databases. Video tutorials SAP HANA 2.0 SPS 05 – Installation and update short video tutorials showing choices and selection procedures (only server). SAP HANA Cockpit 2.0 SP 12 – Install and update short video tutorials that shows choices and selection procedures. SAP HANA Cockpit Documentation Always check the documentation and release the notes before starting the installation. This could save a long time later. Hardware and software requirements are documented in the SAP HANA Cockpit Installation and Upgrade Guide, i.e. reference to the real SAP Note/KBA where it is registered.You can add the SAP HANA cockpit to an existing SAP HANA system, in standard architecture contains an SAP HANA express edition database (persistence), the advanced XS runtime, as well as several Node.js applications, including SAP HANADA cockpit – SAP HANA cockpit management tool – SAP HANA cockpit management tool – SAP HANAS database explorer – browser catalog and SQL console Also, for connections to the system database to start/stop, troubleshooting offline, or recover we can also add an operating system account, typically user adm. Download Software You can download the SAP HANA cockpit 2.0 from Download Software on the SAP ONE Support Launchpad. Writing time, SP12 was the latest version, but typically you install the latest version. SP12 Patch14 for SAP HANA COCKPIT 2.0 The SAR file begins to approach 4 GB. If the network connection is good enough, you could go away with the file download directly (click the link) otherwise check the box and select the cart. Click on Download Basket in the bottom menu bar to check. Download and Download Management To download more or more uncustomed files, get the Download Manager (also from Download Software). Szip the ZIP and place the JAR where you like or leave where it is). You should have a way:Java environment, double-click the JAR will run it. Otherwise, run command java -classpath "DLManager.jar" dlmanager. Application If you need a JVM, go to sap.github.io/SapMachine/ Later, you need to transfer the file to the host. You can use secure FTP clients such as WinSCP or in case this concerns a cloud-hosted environment using a cloud shell command. For Google Cloud Platform, for example, use gcloud compute scp SAPHANACOCKPIT12_14-70002299.SAR hanacockpit:/install To extract, you need to download SAPCAR from Software Download. If you recycle the server, check if the SAP host agent is still present and run SAPCAR from there. ./usr/sap/hostctrl/exe/SAPCAR - SIGNATURE Manifesto.SMF -xvf SAPHANACOCKPIT12_14-70002299.SAR Installation Like the database, we install the SAP HANA cockpit with the SAP HANA database Lifecycle Manager (HDBLCM) except this time through a shell script and not directly ./hdbclm.sh We are asked to enter the installation path name local host identifier number of instance master passwords default values are provided including password1 as main password (game, which is a joke – you need to come with one of you and better make a strong as will the password instance for all the advanced superusers adm – OS SYSTEM – system database SYSTEM – COCKPIT_ADMIN These are arbitrary values and can be modified as desired. Note that by default the port-based routing is used and that thethe number is present in a number of TCP ports, such as 3 30 for the XS controller, etc., which can affect the firewall configuration. The port numbers (line) can be configured. 2389709 – Specify the port for SAP HANA Cockpit before installation As mentioned, cockpit uses the same database installer, so if you want to perform an unassisted installation with custom settings, see the documentation of the Parameter Reference platform, SAP HANA Server Installation and Upgrade Guide Summary before execution shows XS Advanced Administration user: COCKPIT_ADMIN and XSANA Advanced orgcock. Also note that the default domain may be different from the expected value. We can change easily after installation. Note that the built-in database is SPS 04 and the location of the registry files (it would have something to go wrong). The installation takes about 45 minutes. When all is well, the installation ends with SAP HANA Cockpit System installed Start SAP HANA cockpit opening https:// Launch SAP HANA cockpit manager by opening https:// :51028 Post-Installation Configuration When we access the cockpit URL, the browser returns an invalid certificate notice and we cannot connect. SAP HANA cockpit use self-signed certificates and this is how to print your passport. You don't get far away. For testing, demo and training, you can add the certificate to Keychain (macOS) and mark how reliable or install the certificate as rootFor whatever serious matter, get the appropriate certificates. Ask the network administrator if it's not you. See the blog post for some SAP Analytics Cloud – Live Connection to SAP HANA tips using Direct (CORS) Reload the page and we should be addressed to the XS Advanced User Authorization and Authentication Service (UAA). This is a different door, so in case you opened only 51026 and 51028 through the firewall you can stay stuck at this point and need to return to the network administrator. If not, we receive an error message (with the promised land in sight, how painful!) Luckily, we are informed what to do: ask us to launch the cockpit manager tool. Update the door from 26 to 28 and login. Now we are not allowed yet, but this time we are asked if we want the required role collection to be assigned. Duh, we're making progress. We are connected to the cockpit manager even if they are not yet registered databases. There are no groups and there is a user (cockpit admin.) From the bottom bar, we can now navigate to the cockpit (apre in new tab.) There is nothing to do yet, but we can go back to Manage Cockpit (open in another tab.) We add a database. SAP HANA Documentation As with the cockpit, always check the documentation and release the notes before starting the installation. The supported operating system requirements have not changed and are the same as the last revisions of SPS 04 (e.g. SLES 12 SP05 or 15 SP1).HANA SPS platform (14 GB) from Software Downloads. SAP HANA Platform Edt. 2.0 SPS05 rev50 Linux x86_64 (or Power) Click Download Basket in the bottom menu bar to validate your choice before downloading. If only the server component (or new revision) is required, go to Support Packages and Patches. IMDB_SERVER is 3.5 GB. Be sure to select LINUX ON x86_64 in the header. Download Manager and File Transfer Use Download Manager and File Transfer to copy the file to the host hana. There are many ways to do that. For cloud-based systems, use the secure copy command (scp). Alternatively, store this file in a cheap cloud archive or on a drive that sticks to the image. gcloud compute scp 51054084.ZIP hana-vm1:/install SPS comes as ZIP file, the revision component like SAR. Use unzip or SAPCAR to extract. unzip 51054084.ZIP The first level contains information on the label for automation. The second level all components. For SUSE Linux Enterprise Server (SLES), use YaST to configure host and network settings. Network settings > Hostnames configures /etc/hosts Yast > System > Network Setting: configure /etc/resolv.conf For new systems, the preparation of the environment should be carefully planned and performed. For this hands-on, I used an existing SAP HANA express edition system and removed the existing installation. /hana/shared/HXE/hdbclm/hdbclm Installation Route to the server and run the SAP HANA database lifecycle manager (HDBLCM)DATA_UNITS/HDB_SERVER_LINUX_X86_64 /hdbclm Note that in addition to the server, the client, the application function library (AFL), EML, EPM-MDS, smart data access (SDA), the local secure store (LSS), XS runtime advanced, and different applications from XSA_CONTENT, including SAP Web IDE and database explorer. For a single-base installation, we are asked to enter the local host name of the single install path or multiple hosts (i.e. distributed) – adding a second host automatically makes it scale the system identifier – no set of default-value instance numbers – standby or extension node are alternatives (exceptional cases) using the system empowers encryption – SPS alert 05! New feature location of data and registry volume limit memory allocation – such as the licensed amount certificate host name – for SSL connection passwords for adm and user login shell SYSTEM OS, ID and home startup – the encryption description that means starting the HANA system with the operating system (or not) In other words, we just need to provide the SID and other passwords. The location of the registry file is the same as cockpit. The installation of the server only takes 8 minutes. Post-Installation Configuration There is no post-install task required as such, but making a backup and changing passwords are habitual tasks. SAP also recommends disable SYSTEM and create less privileged users, for example, USER ADMIN for the administration of users, BACKUPfor backups, etc. SAP HANA Cockpit Manager Register Database Record database and create a group optionally. This works as with previous versions, except that we now record a database and not a resource (change name) SPS 05 alert! This is documented in the cockpit administration guide. Set SAP HANA Cockpit for the first time Note that if you have still correctly configured SSL certificates, you do not want to enable SSL as self-signed certificates do not get far away. Home Navigate from cockpit manager to cockpit. Note that we're running with problems... Database Directory Resource Directory is now Database Directory. New resource consumption charts have been added, a new column for a costly statement and a view to filter on the type of use. Enter the credentials and connect to the database. System overview is now Database overview. As the directory, we can now select a view in the header to filter (monitoring, administration, user management.) The alert tab informs us that there is a problem with backups. The Backup tab informs us that there is no backup. Time to back up. Where are those sisadmins when you need them? On a lateral note: when we create an instance of SAP HANA Cloud there are zero problems when we access the SAP HANA cockpit (including with the as-a-service database, there is no need to install or record anything.) When we access the database for the first time, a backup will already beInformation on the running database SAP HANA 2.0 SPS 05. Mission accomplished. Shall we start with SAP HANA? Or do you have a migration to SAP HANA 2.0 that arrives? You need a quick update that covers business benefits and vision of technology. Understand the role of system administrator, developer, data integrator, security officer, data science, data modeler, project manager and other SAP HANA stakeholders? My last book on SAP HANA 2.0 covers everything you need to know. Getting from SAP Press or Amazon: or Amazon:

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