

References

- SAP 기본용어 정리
- ABAP 이란
- SAP ABAP 다운로드 (sjh@cudo.co.kr // 삼선짬뽕1234!)
- SAP GUI 설치와 라이선스 확인 방법
- SAP ABAP 설치 가이드
- Trial 설치 에러 문제, 비밀번호
- SAP 라이센스 갱신 요청 페이지 -> NPL.txt 다운
- Trouble Shooting
- CentOS 7 VM 설정
 - o 16 core / 32GB RAM / 200G Storage
 - 메모리 16GB 권장이지만 설치하면 오류 발생 (CentOS7 기준)
 - 。 방화벽 해제 : systemctl stop firewalld && systemctl disable firewalld
 - 。 호스트 명 : hostnamectl set-hostname vhcalnplci
 - ∘ ip 확인 후 hosts 파일 수정 : vi /etc/hosts > 192.168.1.xx vhcalnplci > wq

\$ yum groupinstall "Development Tools" "Large System Performance" "Network File System Client" "Performance Tool" "Compatibility library" "GNOME Desktop" "Graphica" \$ yum groupinstall large-systems network-file-system-client performance compat-libraries -y

방화벽 해제

 $\$ systemctl stop firewalld && systemctl disable firewalld

◦ Storage 설정은 내부에서 테스트 시 편의상 Virtual Disk 추가, 파티션 생성, xfs 파일 시스템 생성, 설치 Directory에 mount 하여 사용 가능

ı	Position	Name	Description	SR	Size	Read Only	Priority	Active	Device Path
	0	CentOS 7 (1) 0	Created by template pr	Local storage on xcp-ng-solution3	80 GB	No	0 (Lowest)	Yes	/dev/xvda
	1	New virtual disk (1)		Local storage on xcp-ng-solution3	250 GB	No	0 (Lowest)	Yes	/dev/xvdb

- SAP ABAP 설치
 - SAP NetWeaver AS ABAP Developer Edition 7.52 SP04 다운로드 (링크)

♣ SAP ABAP AS Part License	21-Feb-2021	n/a	1.1 KB	SHA-256	n/a
♣ SAP ABAP AS Part 11	6-Sep-2018	7.52 SP04	90.6 MB	SHA-256	n/a
♣ SAP ABAP AS Part 10	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 9	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 8	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 7	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 6	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 5	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 4	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a
♣ SAP ABAP AS Part 3	6-Sep-2018	7.52 SP04	1.5 GB	SHA-256	n/a

- \circ SAP 계정 필요, SAP ABAP AS PART1 \sim 11 다운로드 후 SAP ABAP AS PART1 압축을 풀면 분할 파일이 전부 압축 해제
- 。 해제 된 파일을 설치 Directory에 파일 전송

```
$ su root
$ chmod 755 install.sh
$ ./install.sh
....
yes
```

```
Do you agree to the above license terms? yes/no:
yes

Now we need the passwords for the OS users.
Please enter a password which will be used
for all operating system users.

Please enter a password:
Please re-enter password for verification:

Now we begin with the installation.
Be patient, this will take a while ...

extracting data archives...
extracting /SAP_ABAP/server/TAR/x86_64/dbdata.tgz-*
sybase/NPL/sapdata_1/NPL_data_001.dat
```

```
Please enter a password : ## 주의 8자 이상 14자 이하의 대,소,특수문자 포함 비밀번호 설정 ##
ex) Password#000 으로 설정
```

설치 진행하게 되면 에러가 발생

[CInstallerCallBackImpl.cpp:259] id=ind-rel.ind-os.ind-db.assertionFailed errno=CJS-00030 CInstallerCallBackImpl::abortInstallation() Assertion failed: Unable to generate a new password for database login 'sa'. Refer to trace file sapinst_dev.log for further information.

라이센스 반드시 갱신 필요 (Expire Date 확인)

위 다운로드에서 받은 SAP AS Part License 파일을 압축 해제 License 파일(\License\SYBASE_ASE_TestDrive\SYBASE_ASE_TestDrive.lic) 을 서버에 업로드 후 해당 경로에 cp

다 에 O G 스케 아마

라이선스 갱신 후 재설치

```
$ ./install.sh
```

• SAP 서버 관련 커맨드

```
$ su - npladm
## 서버 시작
$ startsap ALL
## 서버 종료
$ stopsap ALL
```

% Trouble Shooting && Tips

• License 문제

```
TYPE SYBASE_ASE_TestDrive.lic × +

파일 편집 보기

# ASE_Enterprise_Edition_Trial_License for SAP Business Applications
# will expire March 31st 2025

PACKAGE ASE_SAP_SYBASE_COMPONENTS="ASE_CORE_ASE_JAVA_ASE_ASM_ASE_DIRS \
ASE_DTM_ASE_ENCRYPTION_ASE_HA_ASE_PARTITIONS_ASE_RLAC_ASE_TSM_\
ASE_IMDB_ASE_RDDB_ASE_COMPRESSION_ASE_PRIVACY_ASE_ALMAYS_ON_\
ASE_WORKLOADANALYZER_ASE_MEMSCALE" OPTIONS=SUITE_SUPERSEDE \
ISSUED=24-feb-2023_SIGN2="1764_EE9B_472B_B2CF_2DBB_D92E_99AE_\
9AF8_2B81_387D_8606_D4F2_7FBA_1393_592A_1E5E_5B84_44F7_5C69_\
DE9F_F238_648D_6219_6E82_E60P_DAB6_DCOB_A6D3_577F_F346"

INCREMENT_ASE_SAP_SYBASE_2025_0331_31_mar-2025_uncounted_\
VENDOR_STRING=SORT=200;PE=EE;LT=AC_HOSTID=OEM-ID=SAP_\
PLATFORMS="amd64_re_amd64_s"_ISSUER="CO-Sybase_\\
Inc.;V=15_0;AS=A;ME=2;MC=150;MP=0;CP=0"_ISSUED=24-feb-2023_\
NOTICE="SAP_for_use_with_SAP_Business_Applications." T5_OK_\
SIGN2="026B_4485_F2F5_F815_351B_AE1B_4E1C_E55D_554C_52BA_456F_\
DF93_C24F_8771_52F9_19EB_F58B_B842_428B_3B8F_AD5B_3E16_FDE1_\
418B_EEA4_CB51_2E56_91F0_C0C4_4CFA"
```

- 반드시 Expire 되지 않은 라이선스를 /sybase/NPL/SYSAM-2_0/licenses/ 위치에 복붙
- Hostname 문제

```
27.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4 localhost localhost.localdomain localhost6 localhost6.localdomain6

192.168.1.80 vhcalnplci
```

- 。 vi /etc/hosts 아래 192.168.1.xx vhcalnplci 라인 추가 (권장)
- 방화벽은 반드시 OFF 후 설치

o systemctl stop firewalld && systemctl disable firewalld

• [참고] 공식 설치 가이드 - 압축 파일 내 readme.html

Installation Instructions and First Steps

Step 1: Prerequisites

- Network configuration of the SAP host operating system: The officially supported setup requires a static IP address for the hostname used for the SAP installation. Using DHCP is possible for this test-drive version, but be aware of potential consequences. If our installation cannot ping the hostname specified when installing, installation and startup of the SAP system will fall. Make sure that the hostname specified during installation is assigned to the local OS and fulfils SAP requirements, most importantly it cannot exceed 13 characters length and also needs to survive reboots. We strongly recommend that you stick to vhcalnplci as hostname used by the SAP system and make sure that this hostname remains pinguishel after server restart.

 The firewall must be deactivated.

Step 2: Server Installation and Getting a License

- Login with your preferred user. You need to have most privileges (sudo or password login).

 Extract the downloaded rar archive, e.g. by executing unrar commands in the download folder

 sunrar in (TDSSSPULBARIO) rar

 and optionally

 sunrar in SIRSSPULBARIO rar

 to overwrite installar with an executable version. Please note that we have compressed installars beparately into installuar in order to maintain the script's executable perm

 Change into the root directory of the extracted installation

 subs. //nstall.sh

 More detailed installation instructions are provided in the following blog post: SAP AS ABAP 7.52 SP04 Step-By-Step Installation Guide

 Installation will take a while (about 20 minutes take a coffee).

To get a license:

- 1. Start the SAP system
 1. Switch to user upladm in the console: \$ su rolads
 2. In SAPLogon, start the SAP system: \$ start sas
 2. In SAPLogon, start the SAP system: \$ start sas
 2. In SAPLogon, start the SAP system: \$ start sas
 3. In SAPLogon, start the SAP system: \$ start sas
 4. In SAPLogon, start the SAP system: \$ start sas
 5. In SAPLogon, start the SAP system: \$ start sas
 6. In SAPLOGON, start the SAP system: \$ start sas
 7. In SAPLOGON, start the SAP system: \$ start sas
 8. In SAPLOGON, start the SAP system: \$ start sas
 8. In SAPLOGON, start the SAP system is start sas
 8. Request the license key for your test-drive version SAP License Keys for Preview. Evaluation. and Developer Versions. You can also generate a new key for your ASE database if the existing key expires.
 9. Select NPL: SAP NetWeaver 7x. (Sybase ASE) as System: ID
 9. Enter your personal data, agree to the License Agreement, and choose Generate.
 9. The SAPLOGON, straight license saplogon in the sab Upistary Supernives. Download and save this file.
 9. In SLICENSE, install the license file as follows: in the tab Upistary Supernives delete the existing license, then choose Install.
 9. The developer access key for user DEVELOPER and installation number DEMOSYSTEM is already in the system and you can start developing in the customer name range (2*, V*).
 9. Please note that all the above steps must be carried out otherwise, the prepared user key will not work.