Копирование системы BAD в BAS

Содержание

Эписание задачи	1
Шаги подготовки	1
Выполнение	1
Удаляем старый сервер БД HANA2	1
Готовим экспорт БД BAD	3
Запуск процесса импорта БД	7
[ополнительно	25

Описание задачи

Шаги подготовки

TBD

Выполнение

Удаляем старый сервер БД HANA2

vhtl2basdb01:/hana/shared/BAS/hdblcm # ./hdblcm

		HANA Database 2.00.037.01.1557479495
Choose ar	n action	
Index	Action	Description
2	configure_internal_network configure_sld	Add Host Roles Add Hosts to the SAP HANA Database System Check SAP HANA Database Installation Configure Inter-Service Communication Configure System Landscape Directory
6 l		

```
8
         remove_host_roles
                                      Remove Host Roles
 9
         rename_system
                                      Rename the SAP HANA Database System
 10
        | uninstall
                                      Uninstall SAP HANA Database Components
 11
       | unregister_system
                                     Unregister the SAP HANA Database System
 12
        | update_component_list
                                     | Update Component List
        | update components
                                    | Install or Update Additional Components
 13
 14
       | update_host
                                     | Update the SAP HANA Database Instance Host
integration
       | update
                                    | Update the SAP HANA Database System
 15
                                    | Exit (do nothing)
 16
       | exit
Enter selected action index [16]:
Choose components to be uninstalled for system 'BAS':
 Index | Components | Description
 1 | all
                    | SAP HANA Database version 2.00.037.01.1557479495 and all other
components
       l client
                    Uninstall SAP HANA Database Client version 2.3.134.1546872976
Enter comma-separated list of the selected indices [1]:
Summary before execution:
SAP HANA Database System Uninstallation
  Software Components
     SAP HANA Database Client
        Uninstall version 2.3.134.1546872976
     SAP HANA Database
        Uninstall version 2.00.037.01.1557479495
Note: All data volumes and all log volumes of SAP HANA Database 'BAS' will be removed!
Do you want to continue? (y/n): y
Uninstalling SAP HANA Database System
Unregistering SAP HANA Database Components on Local Host...
 Uninstalling SAP HANA Database Client...
   Uninstalling SAP HANA Database Client...
   Uninstalling package Client Installer...
   Uninstalling package Environment Script...
   Uninstalling package CommonCryptoLib...
   Uninstalling package Ruby Client...
   Uninstalling package golang Client...
   Uninstalling package node.js Client...
   Uninstalling package DBCAPI...
   Uninstalling package HALM Client...
   Uninstalling package JDBC...
```

```
Uninstalling package ODBC...
    Uninstalling package Python DB API...
    Uninstalling package REPOTOOLS...
    Uninstalling package SQLDBC...
    Uninstalling package Product Manifest...
    Uninstalling package Python Runtime...
 Uninstalling SAP HANA Database...
    Uninstalling SAP HANA Database...
    Removing SAP HANA Database instance...
    Uninstalling package DAT Configfiles (other)...
    Uninstalling package DAT Configfiles (EN, DE)...
    Uninstalling package DAT Languages (other)...
    Uninstalling package DAT Languages (EN, DE)...
    Uninstalling package Offline Cockpit...
    Uninstalling package Delivery Units...
    Uninstalling package Documentation...
    Uninstalling package EPM...
    Uninstalling package HWCCT...
    Uninstalling package Ini Files...
    Uninstalling package Installer...
    Uninstalling package Krb5 Runtime...
    Uninstalling package Data Quality...
    Uninstalling package Binaries...
    Uninstalling package Product Manifest...
    Uninstalling package Python Runtime...
    Uninstalling package Python Support...
    Uninstalling package Saphostagent Setup...
Uninstallation of the SAP HANA Database System finished
Log file written to '/var/tmp/hdb BAS hdblcm uninstall 2020-02-18 10.30.39/hdblcm.log'
on host 'vhtl2basdb01'.
```

Готовим экспорт БД BAD

Установка HANA1

```
vhtl2basdb01:/hana/shared/distr/SAP_HANA_DATABASE # ./hdblcm
```

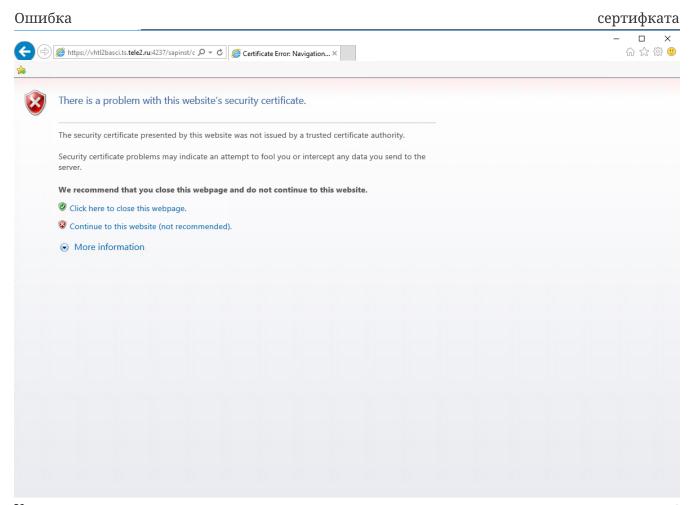
```
SAP HANA Lifecycle Management - SAP HANA 1.00.122.16.1520578817
*****************
Scanning Software Locations...
Detected components:
   SAP HANA Database (1.00.122.16.1520578817) in
/hana/shared/distr/SAP_HANA_DATABASE/server
Choose installation
 1 | Install new system |
 2 | Extract components |
 3 | Exit (do nothing) |
Enter selected system index [3]: 1
Enter Installation Path [/hana/shared]:
Enter Local Host Name [vhtl2basdb01]:
Do you want to add additional hosts to the system? (y/n) [n]:
Enter SAP HANA System ID: BAS
Enter Instance Number [00]:
 1 | single container | The system contains one database
     | multiple_containers | The system contains one system database and 1...n
tenant databases
Select Database Mode / Enter Index [1]:
 Index | System Usage | Description
      | production | System is used in a production environment
 2
     test | System is used for testing, not production
       | development | System is used for development, not production
      custom | System usage is neither production, test nor development
Select System Usage / Enter Index [4]: 3
Enter Location of Data Volumes [/hana/data/BAS]:
Enter Location of Log Volumes [/hana/log/BAS]:
Restrict maximum memory allocation? [n]:
```

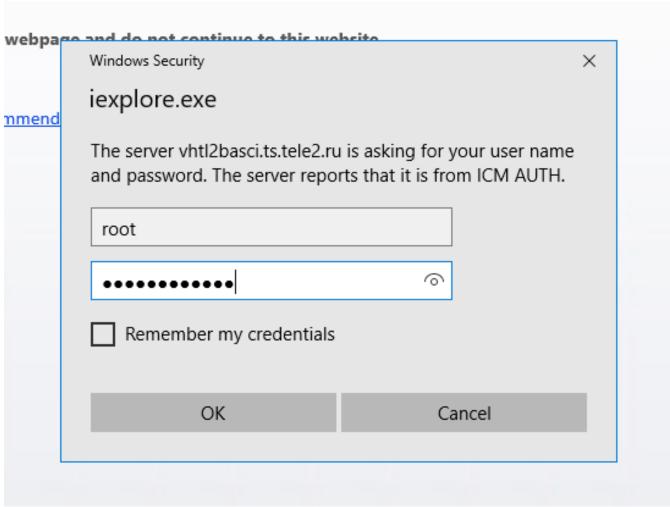
```
Enter Certificate Host Name For Host 'vhtl2basdb01' [vhtl2basdb01]:
Enter System Administrator (basadm) Password:
Confirm System Administrator (basadm) Password:
Enter System Administrator Home Directory [/usr/sap/BAS/home]:
Enter System Administrator Login Shell [/bin/sh]:
Enter System Administrator User ID [1000]:
Enter Database User (SYSTEM) Password:
Confirm Database User (SYSTEM) Password:
Restart system after machine reboot? [n]:
Summary before execution:
SAP HANA Components Installation
  Installation Parameters
     Remote Execution: ssh
     Installation Path: /hana/shared
     Local Host Name: vhtl2basdb01
     SAP HANA System ID: BAS
     Instance Number: 00
     Database Mode: single container
     System Usage: development
     Location of Data Volumes: /hana/data/BAS
     Location of Log Volumes: /hana/log/BAS
     Certificate Host Names: vhtl2basdb01 -> vhtl2basdb01
     System Administrator Home Directory: /usr/sap/BAS/home
     System Administrator Login Shell: /bin/sh
     System Administrator User ID: 1000
     ID of User Group (sapsys): 1001
  Software Components
     SAP HANA Database
         Install version 1.00.122.16.1520578817
         Location: /hana/shared/distr/SAP HANA DATABASE/server
Do you want to continue? (y/n): y
Installing components...
Installing SAP HANA Database...
 Preparing package 'Saphostagent Setup'...
 Preparing package 'Python Support'...
 Preparing package 'Python Runtime'...
 Preparing package 'Product Manifest'...
 Preparing package 'Binaries'...
 Preparing package 'Data Quality'...
 Preparing package 'Krb5 Runtime'...
 Preparing package 'Installer'...
 Preparing package 'Ini Files'...
 Preparing package 'HWCCT'...
 Preparing package 'Emergency Support Package'...
 Preparing package 'EPM'...
 Preparing package 'Documentation'...
```

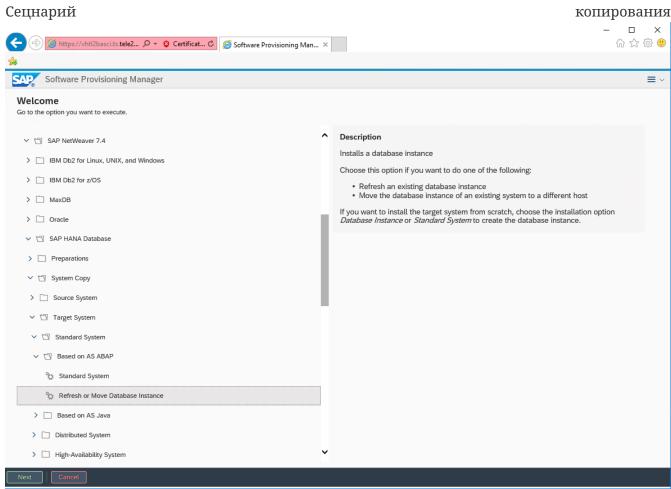
```
Preparing package 'Delivery Units'...
 Preparing package 'DAT Languages'...
 Preparing package 'DAT Configfiles'...
 Creating System...
 Extracting software...
 Installing package 'Saphostagent Setup'...
 Installing package 'Python Support'...
 Installing package 'Python Runtime'...
 Installing package 'Product Manifest'...
 Installing package 'Binaries'...
 Installing package 'Data Quality'...
 Installing package 'Krb5 Runtime'...
 Installing package 'Installer'...
 Installing package 'Ini Files'...
 Installing package 'HWCCT'...
 Installing package 'Emergency Support Package'...
 Installing package 'EPM'...
 Installing package 'Documentation'...
 Installing package 'Delivery Units'...
 Installing package 'DAT Languages'...
 Installing package 'DAT Configfiles'...
 Creating instance...
 Starting SAP HANA Database system...
 Starting 7 processes on host 'vhtl2basdb01' (worker):
      Starting on 'vhtl2basdb01': hdbcompileserver, hdbdaemon, hdbindexserver,
hdbnameserver, hdbpreprocessor, hdbwebdispatcher, hdbxsengine
     Starting on 'vhtl2basdb01': hdbcompileserver, hdbdaemon, hdbindexserver,
hdbpreprocessor, hdbwebdispatcher, hdbxsengine
     Starting on 'vhtl2basdb01': hdbdaemon, hdbindexserver, hdbwebdispatcher,
hdbxsengine
     Starting on 'vhtl2basdb01': hdbdaemon, hdbwebdispatcher, hdbxsengine
     Starting on 'vhtl2basdb01': hdbdaemon, hdbwebdispatcher
   All server processes started on host 'vhtl2basdb01' (worker).
 Importing delivery units...
 Importing delivery unit HCO INA SERVICE
 Importing delivery unit HANA DT BASE
 Importing delivery unit HANA_IDE_CORE
 Importing delivery unit HANA TA CONFIG
 Importing delivery unit HANA UI INTEGRATION SVC
 Importing delivery unit HANA_UI_INTEGRATION_CONTENT
 Importing delivery unit HANA XS BASE
 Importing delivery unit HANA XS DBUTILS
 Importing delivery unit HANA_XS_EDITOR
 Importing delivery unit HANA XS IDE
 Importing delivery unit HANA XS LM
 Importing delivery unit HDC_ADMIN
 Importing delivery unit HDC BACKUP
 Importing delivery unit HDC_IDE_CORE
 Importing delivery unit HDC_SEC_CP
 Importing delivery unit HDC XS BASE
 Importing delivery unit HDC_XS_LM
```

```
Importing delivery unit SAPUI5_1
  Importing delivery unit SAP_WATT
  Importing delivery unit HANA_BACKUP
  Importing delivery unit HANA_HDBLCM
  Importing delivery unit HANA_SEC_BASE
  Importing delivery unit HANA_SEC_CP
  Importing delivery unit HANA_ADMIN
  Importing delivery unit HANA_WKLD_ANLZ
Installing Resident hdblcm...
Updating SAP HANA Instance Integration on Local Host...
  Deploying SAP Host Agent configurations...
Creating Component List...
SAP HANA system installed
Note: Deployment of SAP Host Agent configurations finished with errors
You can send feedback to SAP with this form:
https://vhtl2basdb01:1129/lmsl/HDBLCM/BAS/feedback/feedback.html
Log file written to '/var/tmp/hdb_BAS_hdblcm_install_2020-02-18_13.19.35/hdblcm.log'
on host 'vhtl2basdb01'.
```

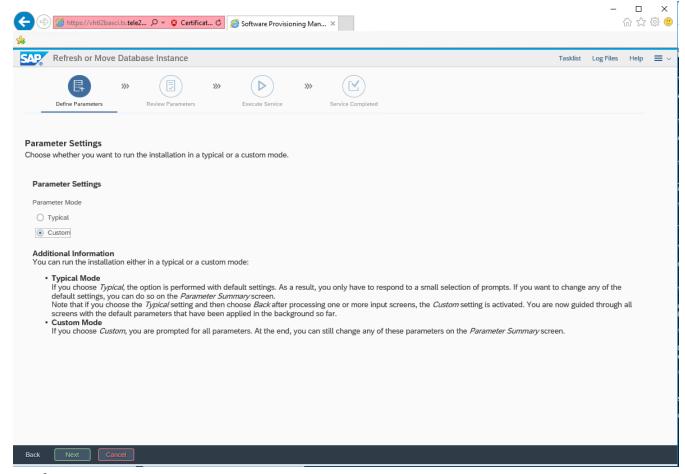
Запуск процесса импорта БД



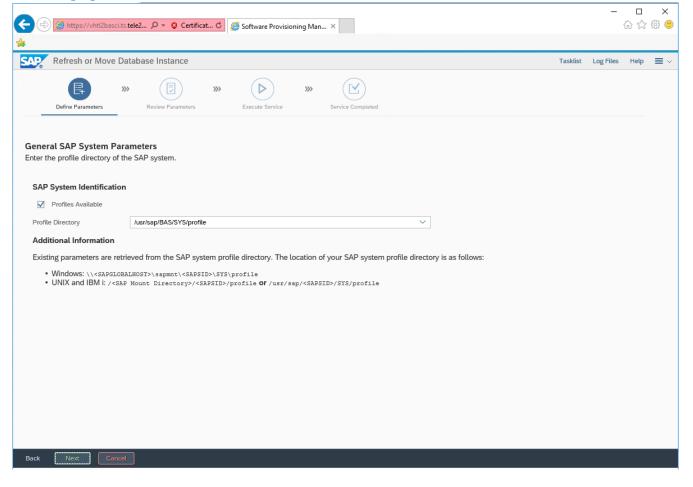


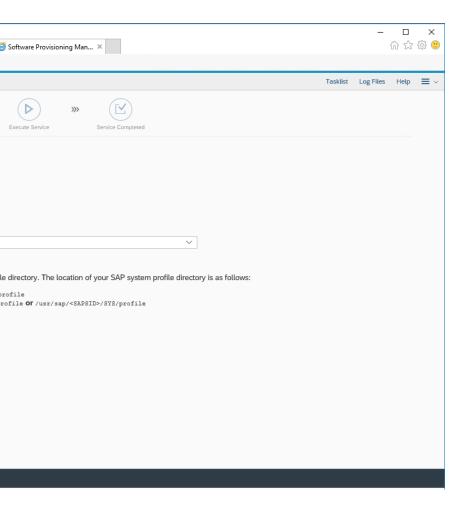


Расшиеренные опции



Профиль системы





Корректировка UID и GID

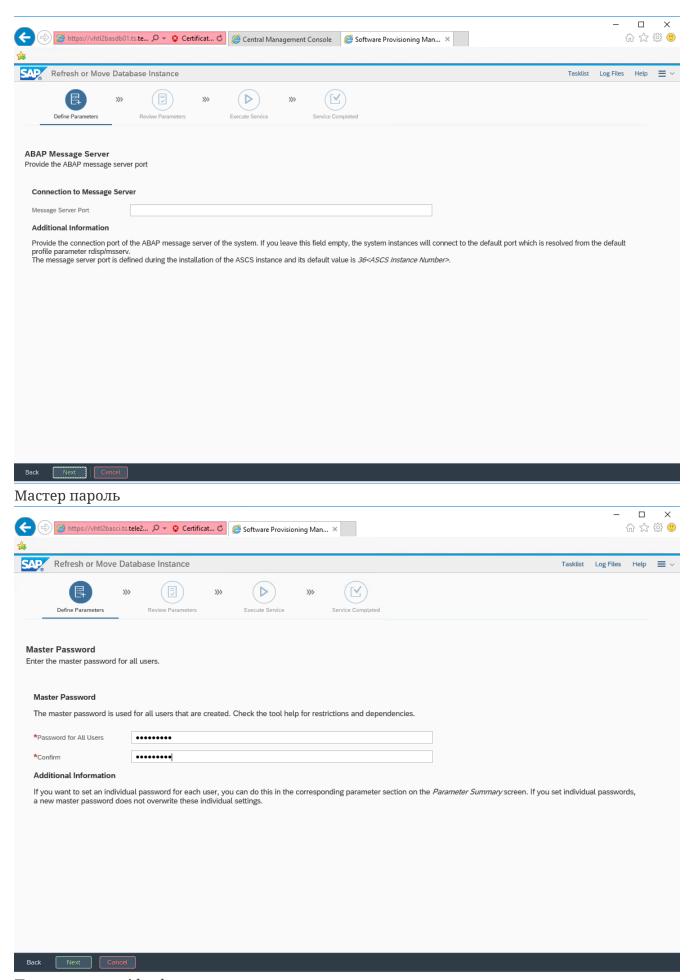
UID и GID у пользователей <sid>adm отличались у сервера CI и DB, потребовалось выравнивание.

```
groupmod -g 1000 sapinst
groupmod -g 1001 sapsys

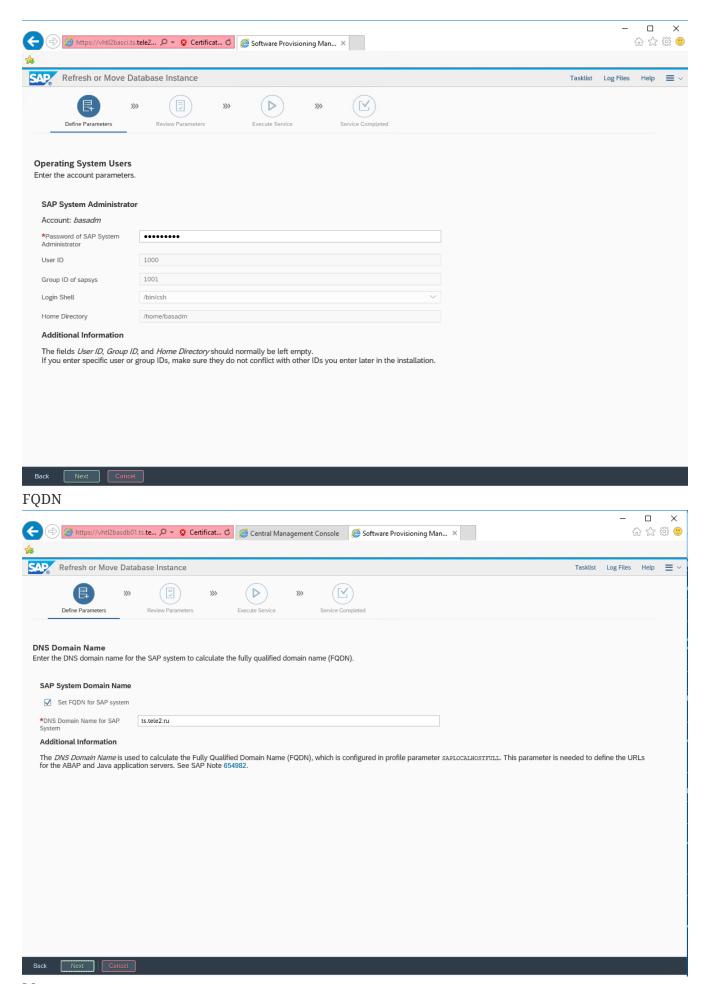
find /sys /etc/ hana /var /usr/sap/ /home /run -group 1001 -exec chgrp -h sapinst {}
\; +

find /sys /etc/ hana /var /usr/sap/ /home /run -group 79 -exec chgrp -h sapsys {} \; +
```

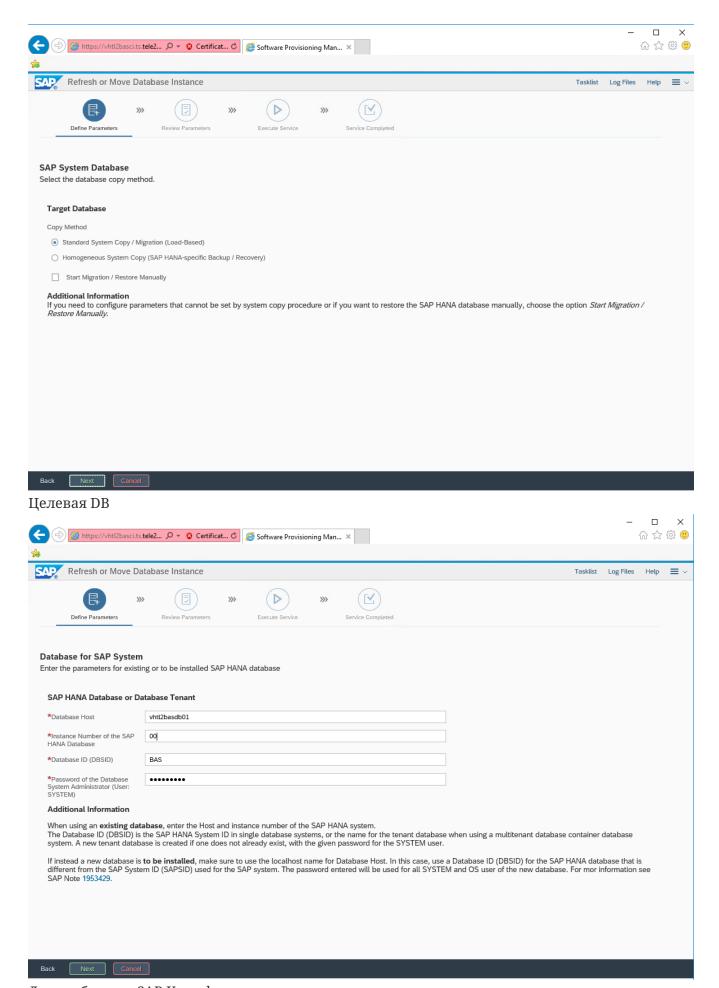
Порт Message Server



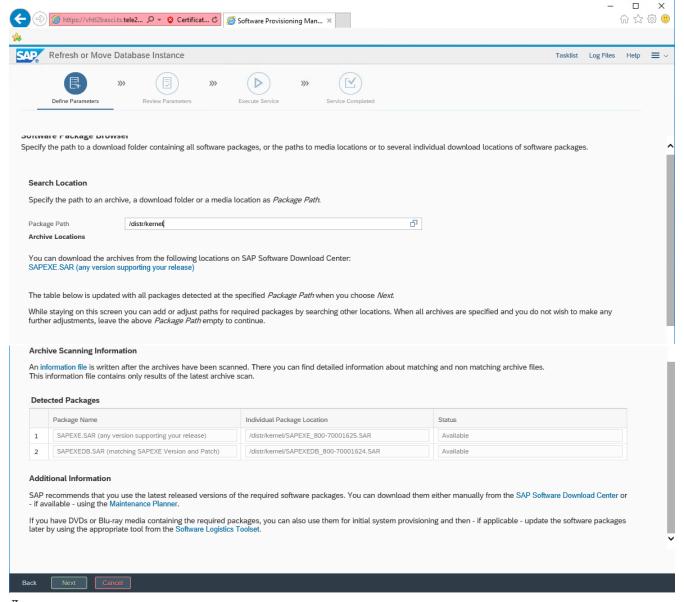
Пользователь<sid>adm



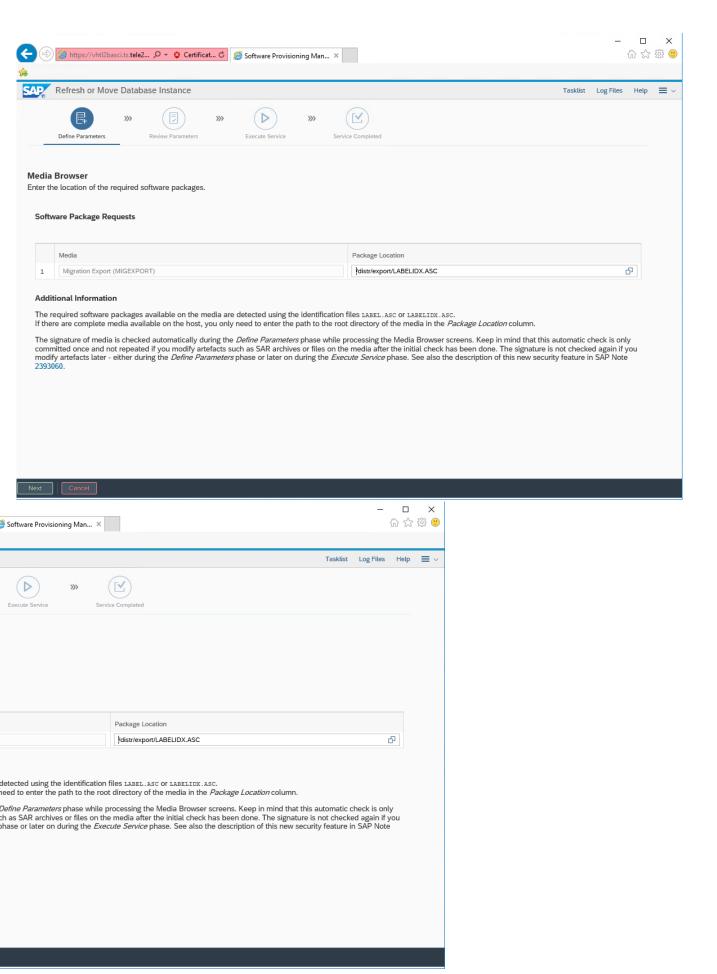
Метод копирования



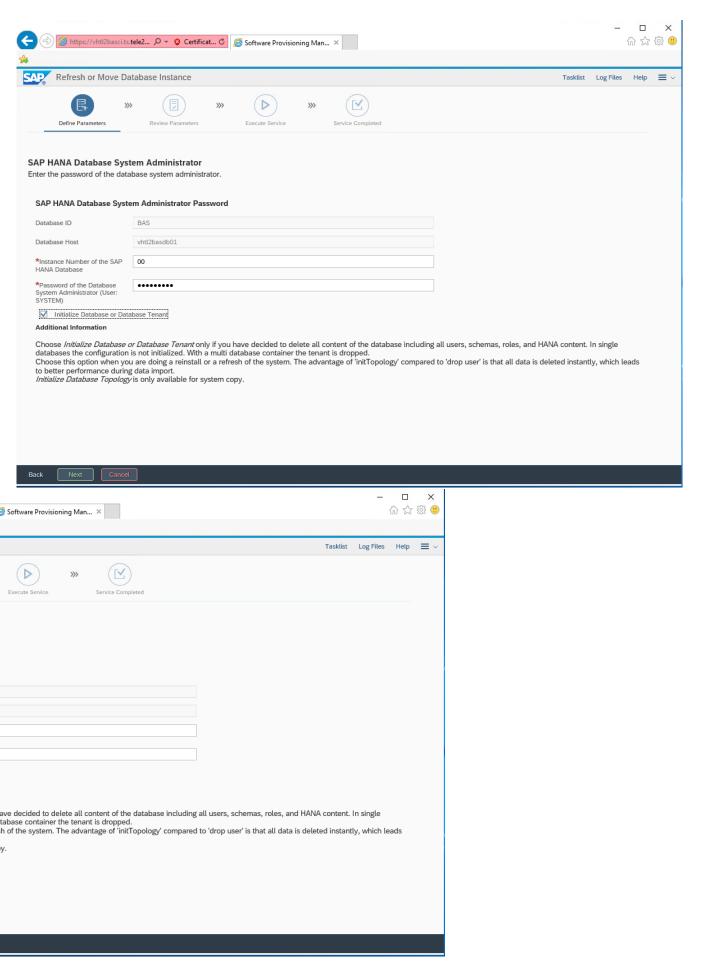
Дистрибутивы SAP Kernel



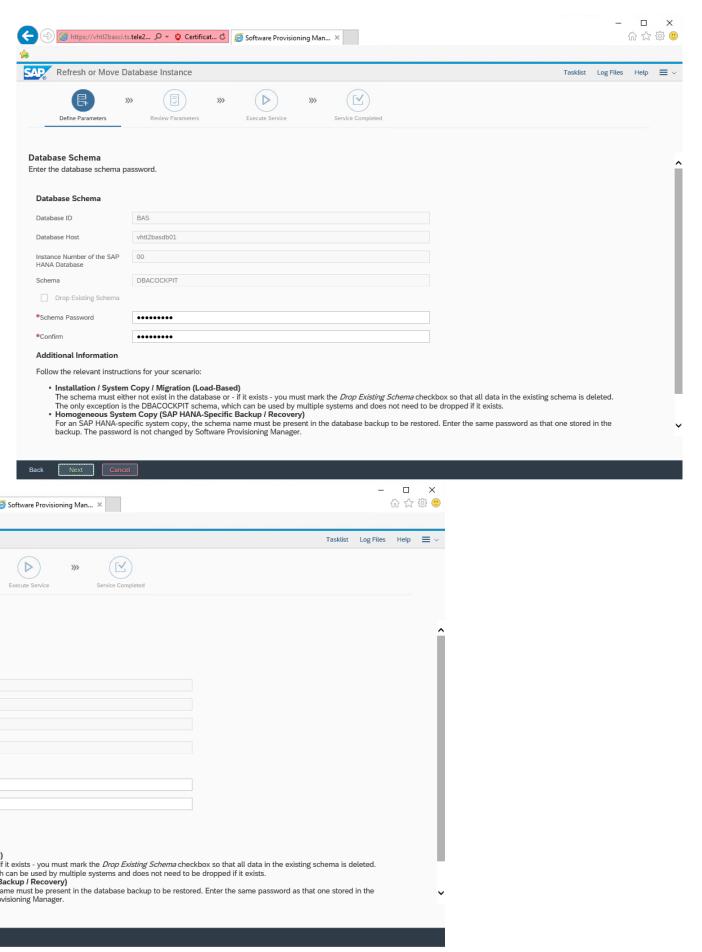
Директория экспорта



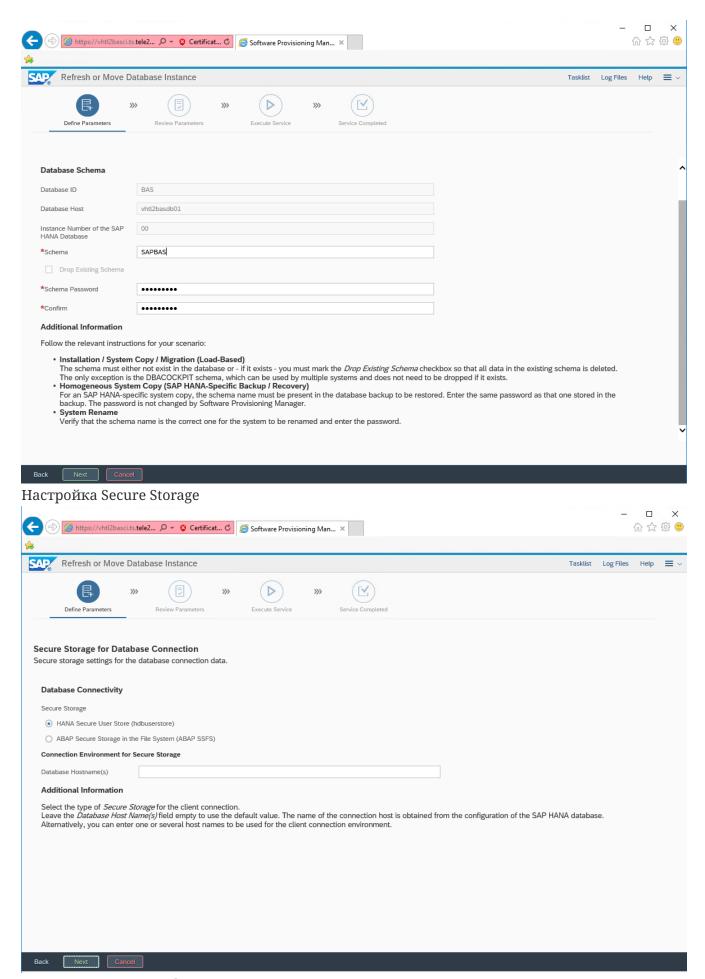
Администратор DB



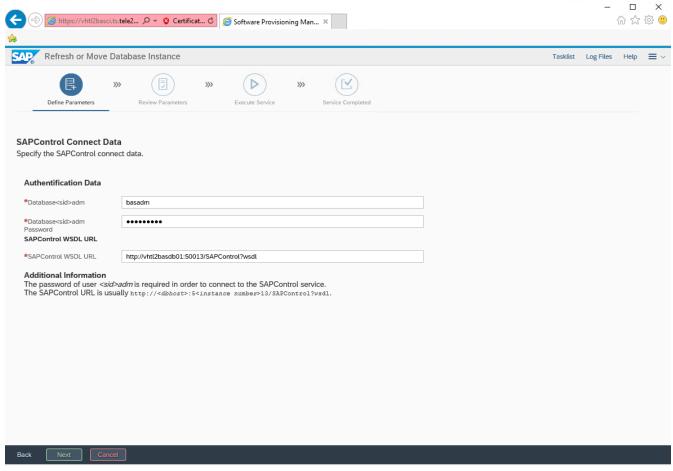
Cxeмa DBACOCKPIT



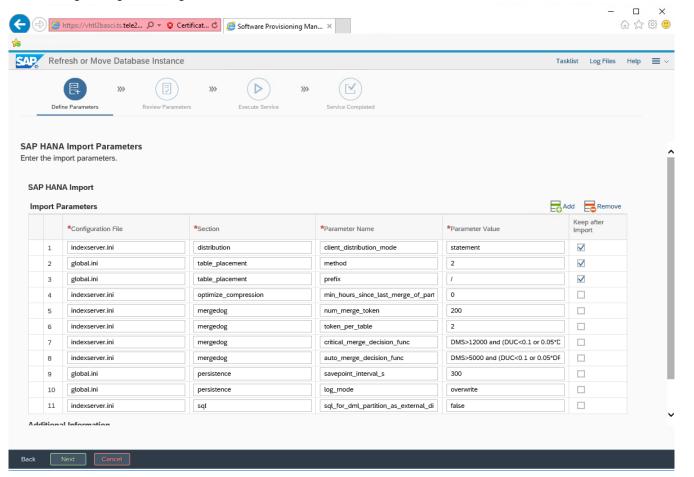
Cxeмa ABAP (SAPBAS)

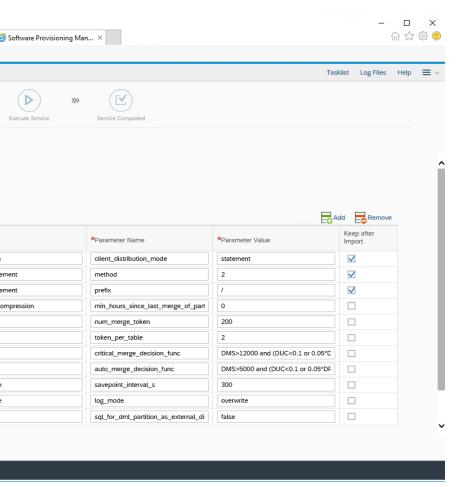


Содинение SAPControl

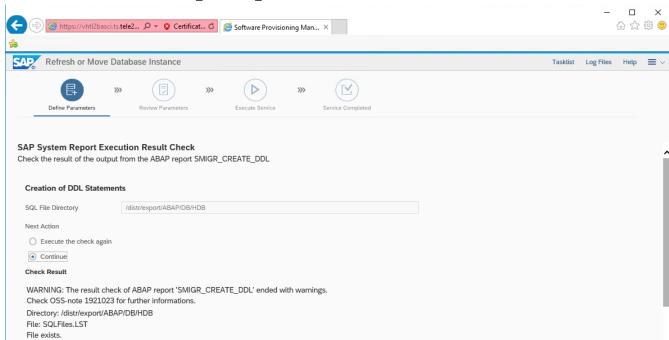


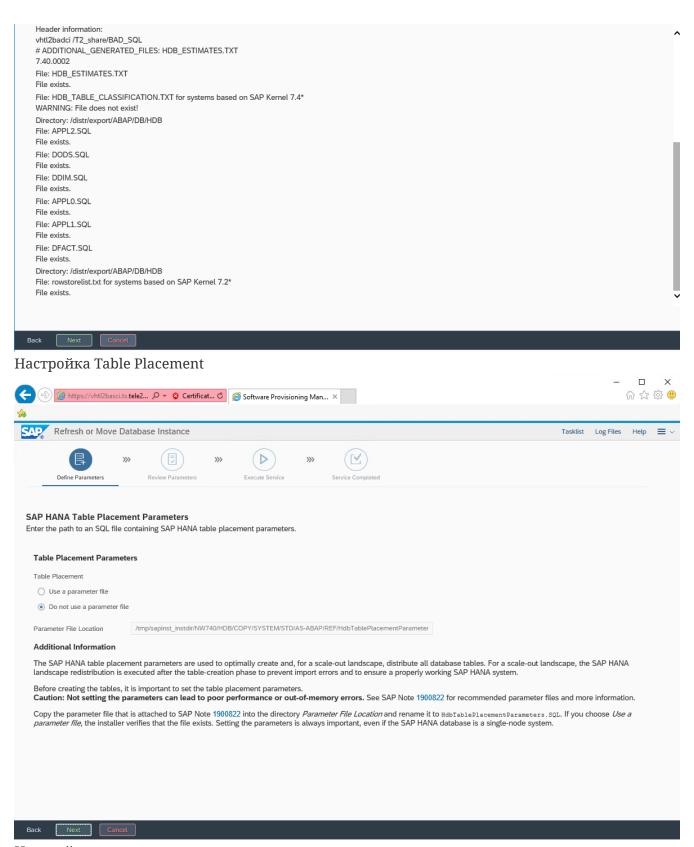
Параметры импорта HANA



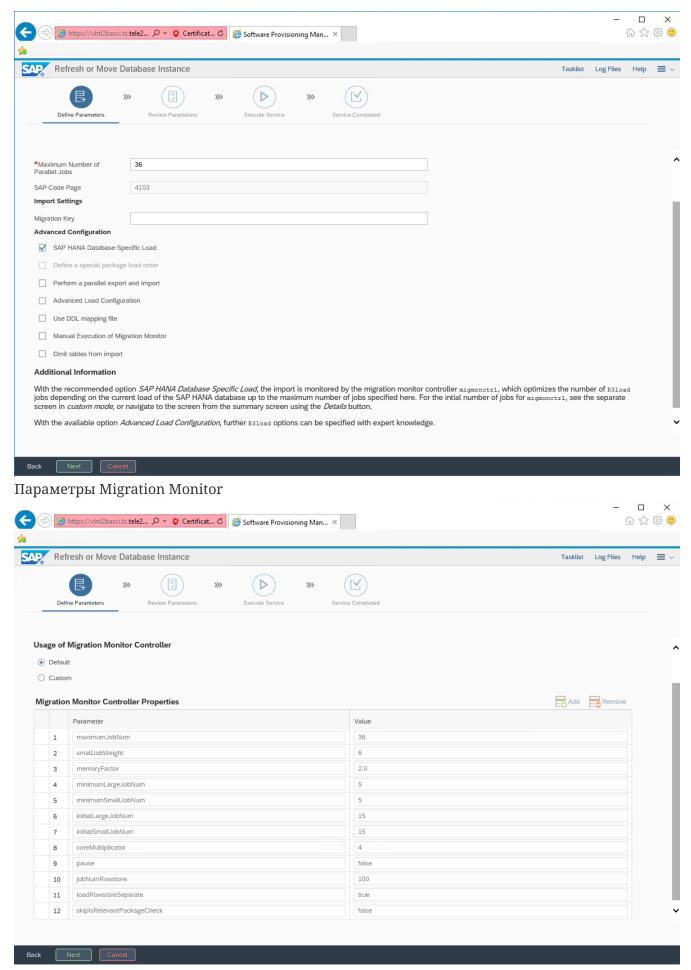


Выполнение отчета SMIGR_CREATE_DDL

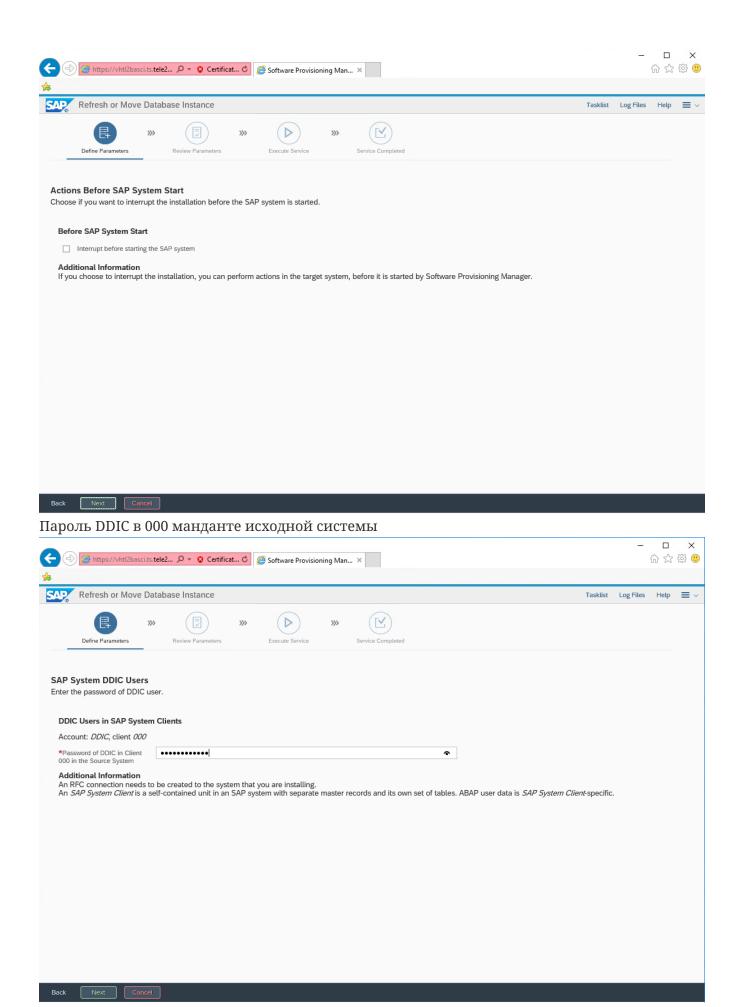




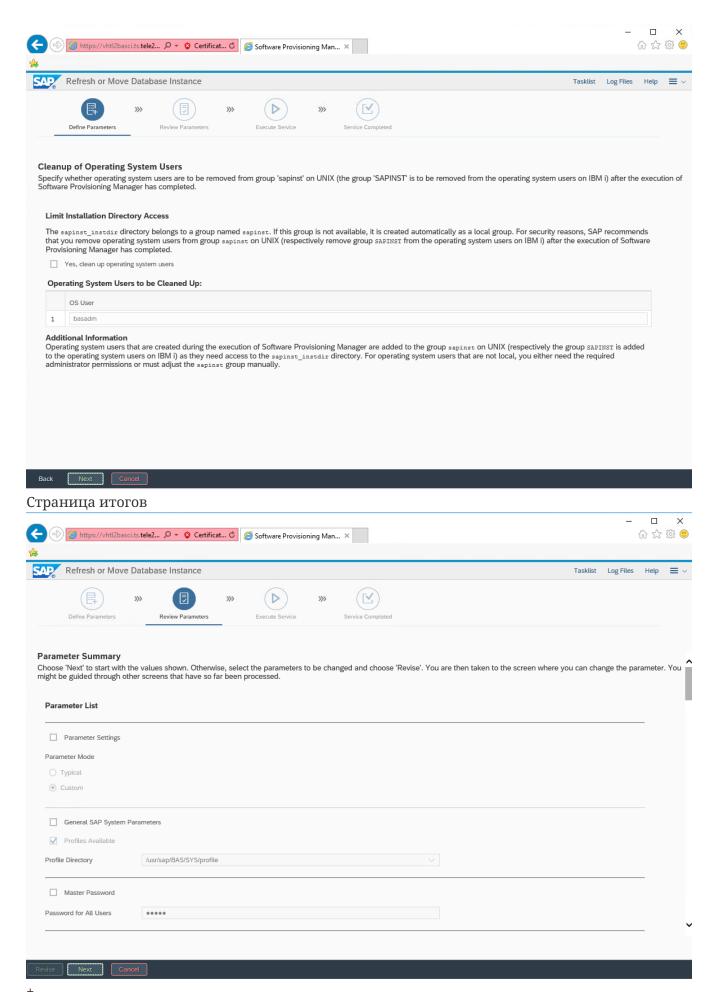
Настройка параметров импорта



Действия перед стартом

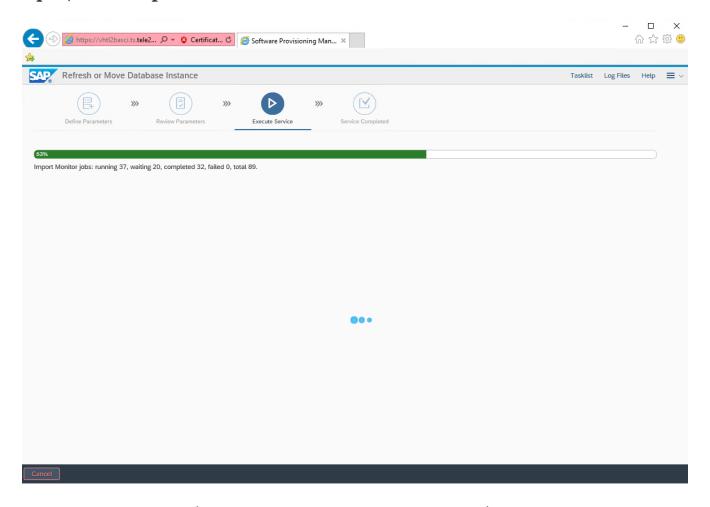


Удаление пользователей ОС



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Процесс импорт



Также в процессе потребовалось включить логи в режим overwrite

Дополнительно