ONMS

OFM

Release Note

Author(s) : B. Lions
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Version	Date	Author	Index	Main Improvement
5.40	16/12/13	Ph.Cornu	Revision 1	ONMS version 5.40 OTU8000e version 3.60 Sysbackup 8.0
5.40	21/02/14	Ph Cornu	Revision 2	Sysbackup 8.0.1.0
5.40	10/07/14	Ph Cornu	Revision 3	Sysbackup 8.0.3 OTU8000e v4.10
5.40	10/08/15	Ph Cornu	Revision 4	ONMS version 5.42 OTU8000e version 5.02

1. RFTS 5.40 Revision 1

1.1 ONMS 5.40.23329

1.1.1 SW Improvements:

1.1.1.1 ONMS Client

1. Compatibility with OTU8000e

1.1.1.2 ONMS Serveur

1. Compatibility with OTU8000e

1.1.2 BUG Fixing:

1.1.2.1 ONMS Client

1. EPT 4933 Resources desynchronized in other language than English

1.1.2.2 ONMS Server

1.1.3 Remarks:

Need database version 5.00.14

1.2 SNMP 5.40.23329

1.2.1 SW Improvements:

1. Compatibility with ONMS 5.40

1.2.2 BUG Fixing:

1.2.3 Remarks:

1.3 WEB 5.40.23329

1.3.1 SW Improvements:

1. Compatibility with OTU8000e

1.3.2 BUG Fixing:

1.3.3 Remarks:

1.4 Sysbackup 8.0.0.0

1.4.1 SW Improvements:

1. Compatibility with OTU8000e

1.4.2 BUG Fixing:

1.4.3 Remarks:

1.5 OTU8000e 3.60

1.5.1 SW Improvements:

1. Compatibility with ONMS

1.5.2 BUG Fixing:

1.5.3 Remarks:

2. RFTS 5.40 Revision 2

2.1 Sysbackup 8.0.1.0

2.1.1 SW Improvements:

2.1.2 BUG Fixing:

- EPT5143 Backup toolkits not properly installed with sysbackup 8.0.0.0

2.1.3 Remarks:

3. RFTS 5.40 Revision 3

3.1 Sysbackup 8.0.3.0

3.1.1 SW Improvements:

3.1.2 BUG Fixing:

- EPT5341 Cannot Getlogs from OTU when sysbackup not installed on c:\
- EPT5342 Cannot Upgrade OTU when sysbackup not installed on c:\

3.1.3 Remarks:

3.2 OTU8000e 4.10

3.2.1 SW Improvements:

- Compatibility with SmartOTU

3.2.2 BUG Fixing:

3.2.3 Remarks

4. RFTS 5.40 Revision 4

4.1 ONMS 5.42.25216

4.1.1 SW Improvements:

4.1.2 BUG Fixing

- Server application reboot in case of optical particular optical alarm
- EPT# 5171 Email longer than 512 car are not sent (Dtag)
- Pb of synchronization between OTU & server after clearing manually optical alarm (Bharti)

4.2 OTU8000e 5.02

4.2.1 SW Improvements:

- Monitoring and localization after first splitter
- Faster scanning
- EPT# 4581 Update active server when system connect to OTU
- EPT# 5241 Display OTAU SN in OTU dashboard
- EPT# 5459 [SMART OTU] change SMTP port number
- EPT# 5500 [SmartOTU]: heartbeat, keep alive traps to SNMP Mgr
- EPT# 5534 [SmartOTU] GUI in Chinese

4.2.2 BUG Fixing

- EPT# 5286 Rebuilt time out for large port configuration
- EPT# 5460 [SmartOTU] Ethernet config not available in DHCP without LAN access
- EPT# 5543 Crazy traces with 3us, 140km (FPGA)
- EPT# 5573 OTU not sending Heartbeat to ONMSi at first installation

5. Software compatibility

This compatibility table must be strictly respected.

5.1 Revision 1

Date	December 2013	
Revision	1	
OS for server	2003 server 32 bits R2 SP2	2008 server 64 bits R2 SP1
Oracle	>=9i without OFM 10G with OFM Using DB_Engine_2WK	11G Using DB_Engine_2WK8
ONMS	**5.40.23329**	**5.40.23329**
Install	**5.40**	**5.40**
ONMS Patch		
Database	5.00.14	5.00.14
SNMP	**5.40.23329**	**5.40.23329**
Web	**5.40.23329**	**5.40.23329**
Supervisor	3.06.23177	3.06.23177
Patch Supervisor	304.01	304.01
Sysbackup	**8.0.0.0**	**8.0.0.0**
RTU backup media	Available	Not available
OFM	2.90.4	3.10.2.0
Jericho	3.0 build 102	
MapView	1.00.0	
OS for client	XP or Vista or Seven	
OTU	>=1.54 / 1.74	
OTU boot	4.00	
OTU8000e	**3.60**	
OTU8000e rescue	3.0	
RTUe Z77	4.40	
RTU Z7	2.88	

- Only Sysbackup 5.18.1 is compatible with old and new OTU version, upgrade first OTUs to version 1.54 or higher before upgrading Sysbackup to 5.20.0 or higher.
- Migration from OFM 2.90.4 to OFM 3.10 is now possible. (Contact us)

Legend:

New release displayed in **bold**

Dependency software displayed on same colour (except black)

5.2 Revision 2

Date	February 2014	
Revision	2	
OS for server	2003 server 32 bits R2 SP2	2008 server 64 bits R2 SP1
Oracle	>=9i without OFM 10G with OFM Using DB_Engine_2WK	11G Using DB_Engine_2WK8
ONMS	5.40.23329	5.40.23329
Install	5.40	5.40
ONMS Patch		
Database	5.00.14	5.00.14
SNMP	5.40.23329	5.40.23329
Web	5.40.23329	5.40.23329
Supervisor	3.06.23177	3.06.23177
Patch Supervisor	304.01	304.01
Sysbackup	**8.0.1.0**	**8.0.1.0**
RTU backup media	Available	Not available
OFM	2.90.4	3.10.2.0
Jericho	3.0 build 102	
MapView	1.00.0	
OS for client	XP or Vista or Seven	
OTU	>=1.54 / 1.74	
OTU boot	4.00	
OTU8000e	3.60	
OTU8000e rescue	3.0	
RTUe Z77	4.40	
RTU Z7	2.88	

- Only Sysbackup 5.18.1 is compatible with old and new OTU version, upgrade first OTUs to version 1.54 or higher before upgrading Sysbackup to 5.20.0 or higher.
- Migration from OFM 2.90.4 to OFM 3.10 is now possible. (Contact us)

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Dependency software displayed on same colour (except black)

5.3 Revision 3

Date	July 2014	
Revision	3	
OS for server	2003 server 32 bits R2 SP2	2008 server 64 bits R2 SP1
Oracle	>=9i without OFM 10G with OFM Using DB_Engine_2WK	11G Using DB_Engine_2WK8
ONMS	5.40.23329	5.40.23329
Install	5.40	5.40
ONMS Patch		
Database	5.00.14	5.00.14
SNMP	5.40.23329	5.40.23329
Web	5.40.23329	5.40.23329
Supervisor	3.06.23177	3.06.23177
Patch Supervisor	304.01	304.01
Sysbackup	**8.0.3.0**	**8.0.3.0**
RTU backup media	Available	Not available
OFM	2.90.4	3.10.2.0
Jericho	3.0 build 102	
MapView	1.00.0	
OS for client	XP or Vista or Seven	
OTU	>=1.54 / 1.74	
OTU boot	4.00	
OTU8000e	**4.10**	
OTU8000e rescue	**4.10**	
RTUe Z77	4.40	
RTU Z7	2.88	

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- Migration from OFM 2.90.4 to OFM 3.10 is now possible. (Contact us)

Legend:

New release displayed in **bold**

Dependency software displayed on same colour (except black)

5.4 Revision 4

Date	August 2015	
Revision	4	
OS for server	2003 server 32 bits R2 SP2	2008 server 64 bits R2 SP1
Oracle	>=9i without OFM 10G with OFM Using DB_Engine_2WK	11G Using DB_Engine_2WK8
ONMS	**5.42.25216**	**5.42.25216**
Install	5.40	5.40
ONMS Patch		
Database	**5.00.15**	**5.00.15**
SNMP	5.40.23329	5.40.23329
Web	5.40.23329	5.40.23329
Supervisor	3.06.23177	3.06.23177
Patch Supervisor	304.01	304.01
Sysbackup	8.0.3.0	8.0.3.0
RTU backup media	Available	Not available
OFM	2.90.4	3.10.2.0
Jericho	3.0 build 102	
MapView	1.00.0	
OS for client	XP or Vista or Seven	
OTU	>=1.54 / 1.74	
OTU boot	4.00	
OTU8000e	**5.02**	
OTU8000e rescue	**5.02**	
RTUe Z77	4.40	
RTU Z7	2.88	

- Only Sysbackup 5.18.1 is compatible with old and new OTU version, upgrade first OTUs to version 1.54 or higher before upgrading Sysbackup to 5.20.0 or higher.
- Migration from OFM 2.90.4 to OFM 3.10 is now possible. (Contact us)

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New release displayed in **bold**

Dependency software displayed on same colour (except black)

6. Software upgrade

☞ **For major upgrade like version 2.x or 3.x or 4.x to 5.0 please contact us to get the appropriated support.**

ⓘ The ONMS database must be upgrade before the ONMS applications

Before upgrading ONMS database check there are no alarm(s) on link(s) with no or many test(s).

If not while you apply the patch you will obtain:

--- upd500.08.sql --- FAILURE ---

Please clear and histories these alarms before patching the database:

First stop the OTU sequencer OTU

Then clear and send the alarm to the history

6.1 BDD version

```
C:\>
C:\>sqlplus /nolog

SQL*Plus: Release 10.1.0.2.0 - Production on Wed Jun 11 16:07:49 2008

Copyright (c) 1982, 2004, Oracle.  All rights reserved.

SQL> connect atlas@atlas_1/connexion;
Connected.
SQL> select * from sga;
```

Find the following section to read the database version

```
DB_PATCH
#500.01,#500.02,#500.02,#500.03,
```

6.2 BDD patches

All the patches present in patches\DB have to be run one after the other in ascending order (According to software compatibility) The last one has to be followed by a *commit;*

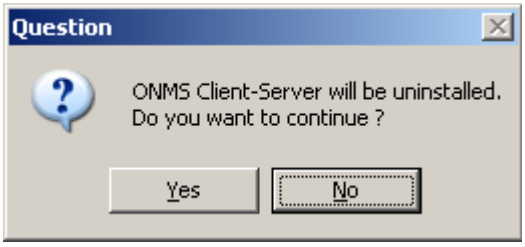
If the latest patch 500.08.sql is successfully done you'll obtain this message

```
SQL> @C:\workshop\Patches\BDD\upd500.08.sql;
SP2-0042: unknown command "´ךך" - rest of line ignored.
old  23:   vpatchName:=&PATCHNAME ;
new  23:   vpatchName:='upd500.08.sql' ;
--- upd500.08.sql --- START ---
updating...
--- create function to build the "test name" from the link name and from the
test comments ---
--- create ID_TEST in optical alarm ---
--- update ID_TEST in optical alarm on links with one test ---
--- OPTICAL_ALARM.ID_TEST is not null ---
--- suppress OPTICAL_ALARM.ID_LINK ---
--- Add TEST_ID in alarm_history and rename link_name to test_name ---
--- Copy link_name into test_name column for existing alarm history ---
--- UPDATE MONITORED_RESOURCE_NAME with FormatTestName in V_OPTICAL_ALARMS VIEW
---
--- UPDATE V_OPT_ALARMS_HISTORY VIEW with TEST_NAME instead of LINK_NAME ---
--- UPDATE V_OSA_ALARMS_HISTORY VIEW with TEST_NAME instead of LINK_NAME ---
--- UPDATE V_RTU_ALARMS_HISTORY VIEW with TEST_NAME instead of LINK_NAME ---
--- UPDATE V_SCA_ALARMS_HISTORY VIEW with TEST_NAME instead of LINK_NAME ---
--- UPDATE V_SGA_ALARMS_HISTORY VIEW with TEST_NAME instead of LINK_NAME ---
--- UPDATE V_ALARMS_HISTORY VIEW with TEST_NAME instead of LINK_NAME ---
--- UPDATE PROCEDURE HistoriseAlarm with FormatTestName and TEST_NAME column ---

--- create DISABLE_SNMP in TEST ---
--- fill DISABLE_SNMP in TEST ---
--- remove DISABLE_SNMP from LINK ---
--- update test comment size to support 255 chars = 512 bytes ---
--- patch version update ---
--- upd500.08.sql --- SUCCESS ---
--- upd500.08.sql --- END ---

PL/SQL procedure successfully completed.
```

```
SQL> commit;

Commit complete.

SQL> exit
Disconnected from Oracle Database 10g Release 10.1.0.2.0 - Production

c:\>
```

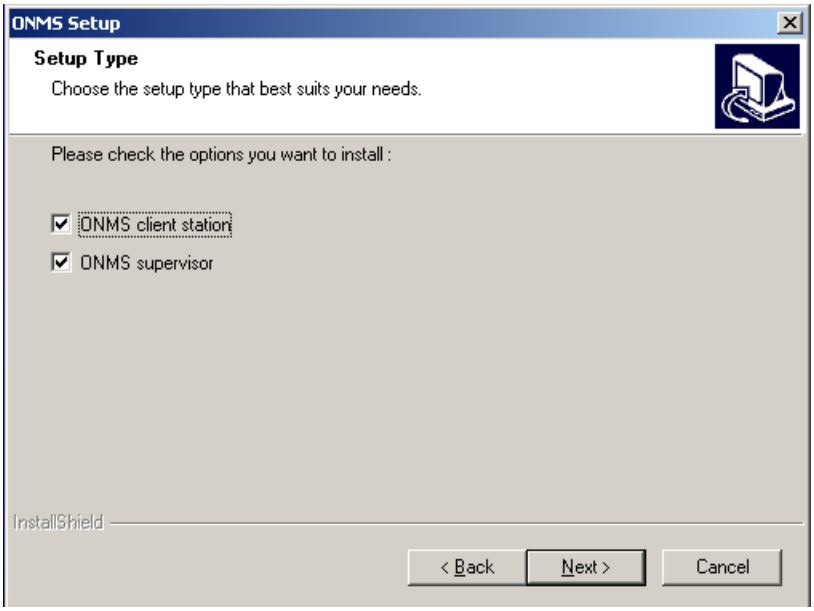
6.3 ONMS Update

Stop the applications
Start setup.exe from ONMS_V5.2x_CD1_RevX\ONMSInstall-5.20
Click on Yes this will remove ONMS client and Server

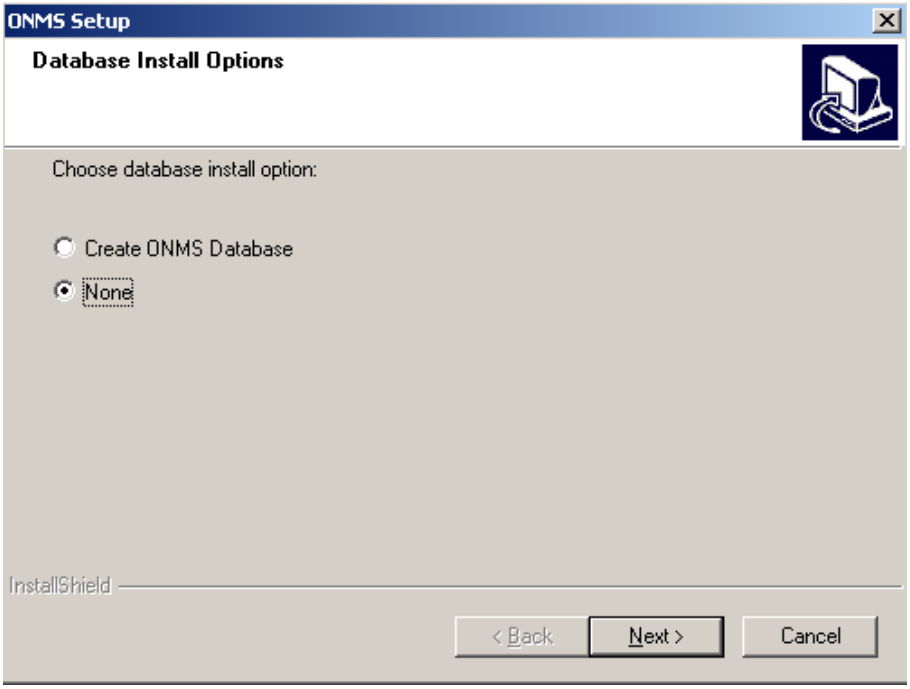


Start again the install from ONMS_V5.2x_CD1_RevX\ONMSInstall-5.20

During the install select ONMS client station & ONMS Supervisor



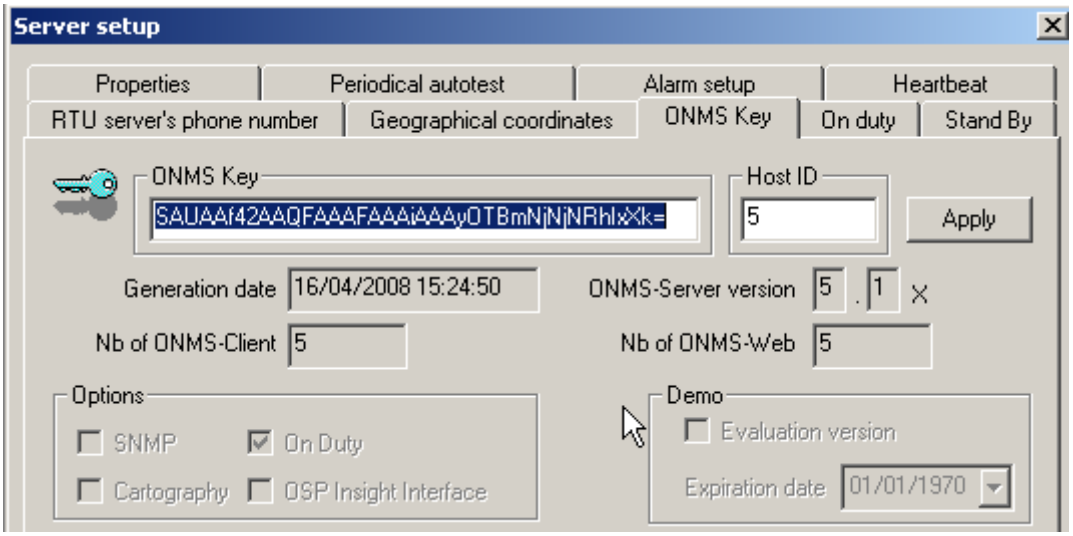
Do not create the ONMS database



Click on next and follow the steps. For more information refer Integration_Server_10G_W2003_Ax

6.4 License:

The license 5.x has to be changed for a version 5.y.
- Restart the supervisor
- Login to ONMS
- Go to setup\Server and enter your new key in the ONMS Key tab



- Press Apply
- Restart the server

6.5 Sysbackup

Prior the installations stop all the applications (OFM & ONMS)
Install the new software over the existing one.
Configure the new Backup_env.sh according to the previous one which is saved on .preserved.

In case of standby server do not forget to do configure this server at the end of the installation, for more information to the process Standby_server_integration_AX

6.6 ONMS Supervisor upgrade

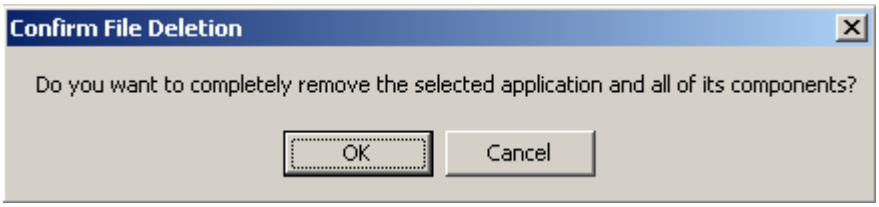
Stop the ONMS-supervisor service before patching the application, then restart the service

After the upgrade reboot the server

6.7 ONMS web access

Run setup.exe from ONMS_V5.2x_CD1_RevX\ONMSWebInstall-5.20.20280\

This will uninstall previous ONMS web access version



Click on yes to reboot the server after t uninstall.

Start again the setup and follow the steps

For more information refer to the process Installation_WEB_AX

6.8 ONMS SNMP

Stop the service SNMP EMANATE Master Agent

Uninstall the service, using the command snmpdm –remove

Uninstall the application ONMS SNMP using add remove programs

Run setup.exe from ONMS_V5.2x_CD1_RevX\ONMSSnmpInstall-5.20.20147.15\

When the install is done install the new SNMP EMANATE Master Agent service, using the command using the command snmpdm -install

For more information refer to the process Installation_SNMP_AX

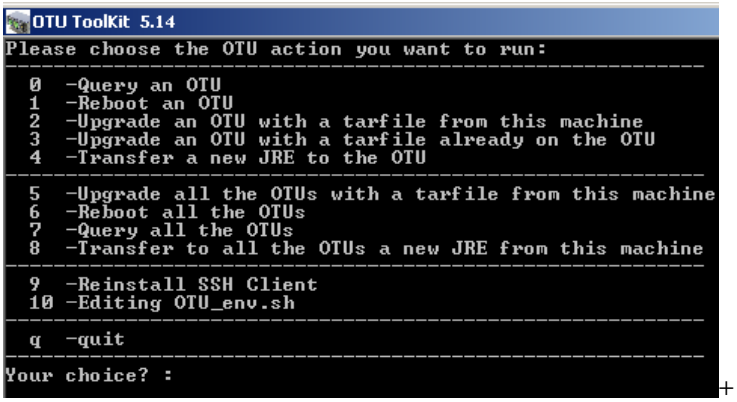
6.9 OTU upgrade

If both application & boot has to be updated it is strongly recommended to upgrade first the application, then the boot.

6.9.1 Application update

From the ONMS CDrom, copy the OTU file (*.tar) to RFTS_SCRIPTS\RELEASE_OTU.

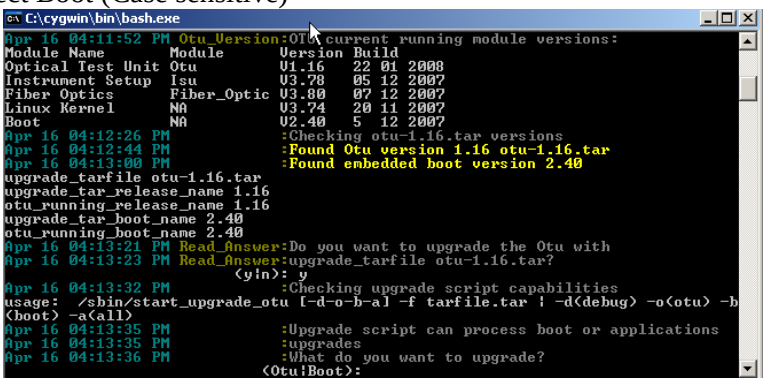
Then click on OTU tool kit icon:



To start the upgrade process: select 2 or 5 and just follow carefully the instruction. By the end the OTU will reboot to flash the new software. This task lasts about 10 minutes. Be patient and do not switch off the OTU during this phase. You will get automatically the information that OTU has been properly updated with all details by the end of process.

6.9.2 Boot update

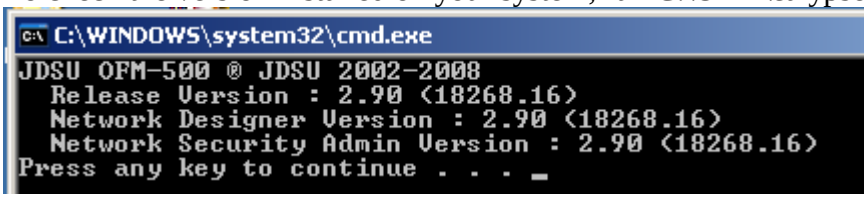
Click on the OTU toolkit icon to start the upgrade process select u and just follow carefully the instruction and select Boot (Case sensitive)



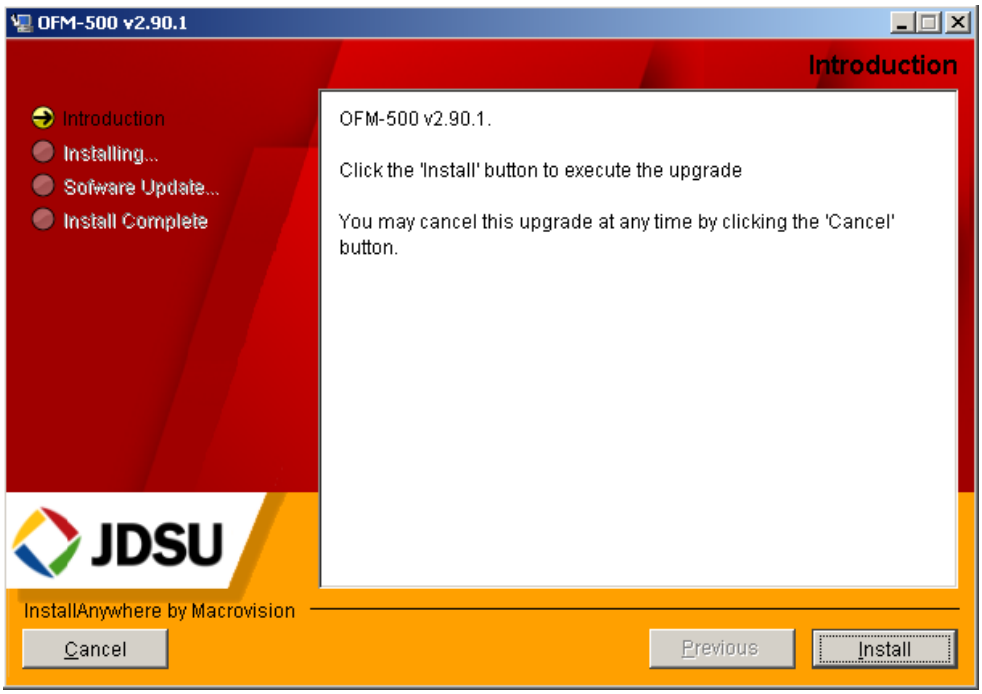
By the end the OTU will reboot to flash the new software. This task lasts about 10 minutes. Be patient and do not switch off the OTU during this phase. You will get automatically the information that OTU has been properly updated with all details by the end of process.

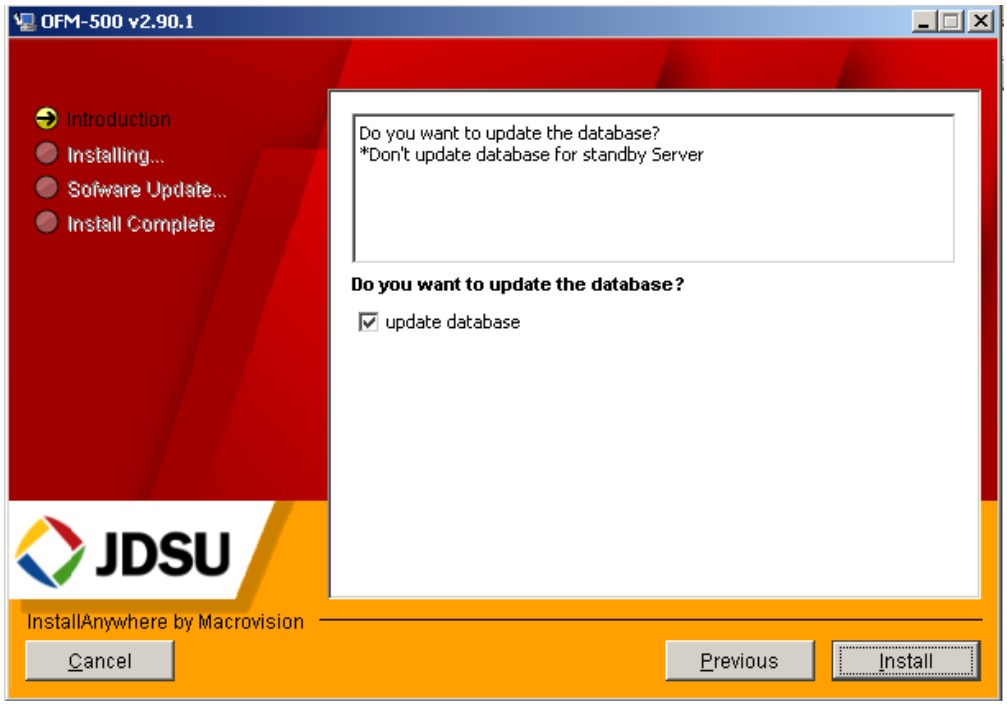
6.10 OFM 2.90 Update x

You have to be in OFM 2.90
To check the version installed on your system, run C:\OFM\calypso\bin\version.bat

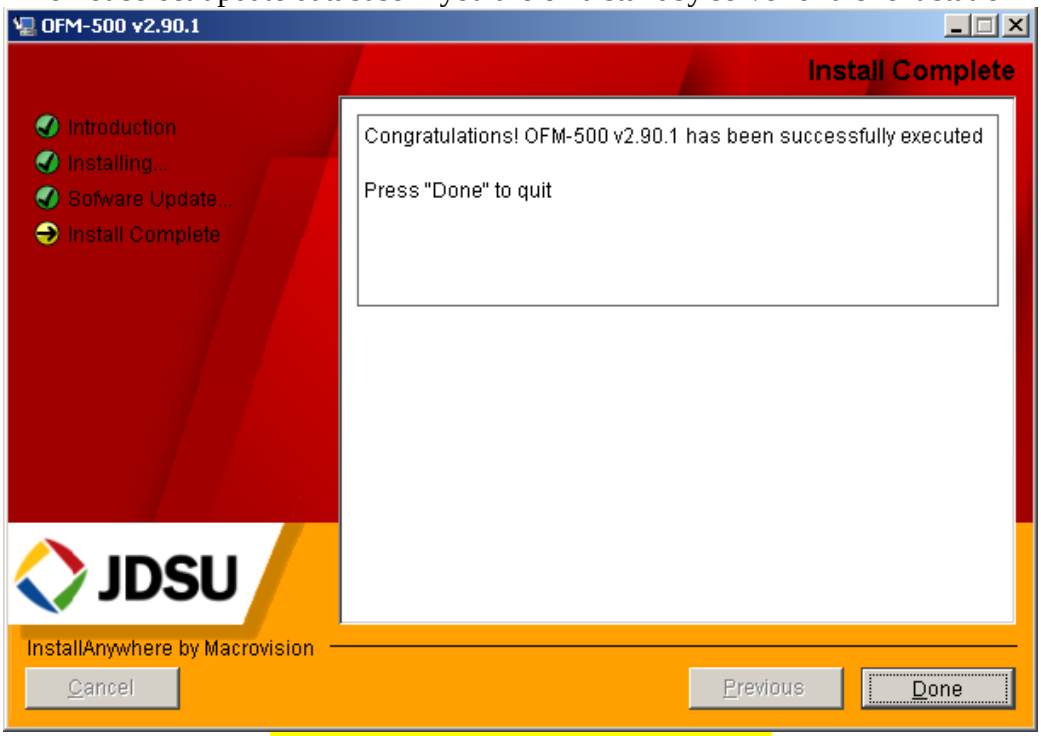


All the updates are available in OFM_V2.9x_CD2_RevX\Upgrade2.x_to_2.y\
To upgrade OFM run OFM_V2.9x_CD2_RevX\Upgrade2.x_to_2.y\Patches 2.9x\OFM-500-v2.90.1.exe





Do not select update database if you are on a standby server or a client station

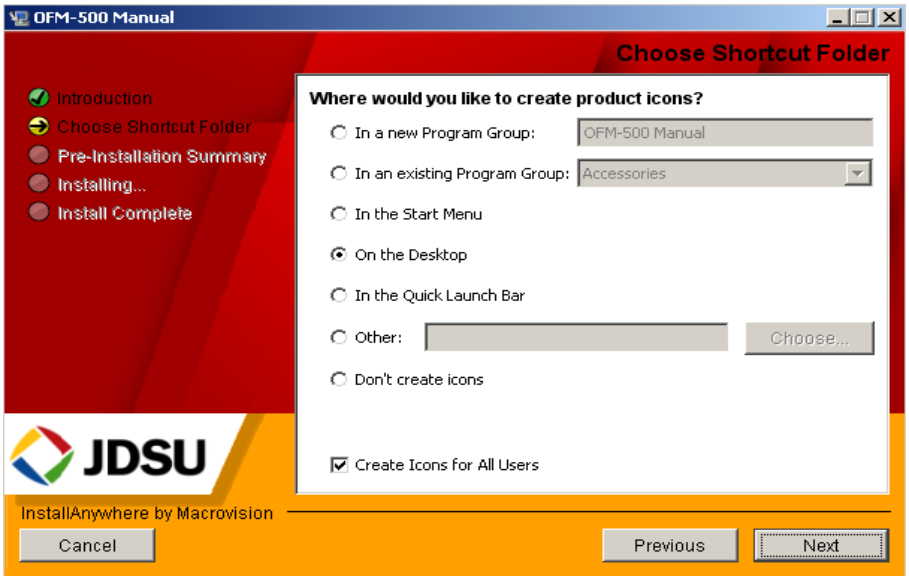


Click on Done and reboot the server.

6.11 OFM tutorial setup

From the CD OFM user manual run OFM-500 Manual.exe

Select your language (English, French, and German), then follow the steps



Select your shortcut location, click on next and follow the steps.