



CONTENTS

<u>1. ONM</u>	ISI 2.80 REVISION 1	4
1.1 O	DNMSI 2.80.0.4	4
1.1.1	SW IMPROVEMENTS:	4
1.1.2		4
1.1.2		4
	ONMSI TOOLS 1.30.0.0	4
1.2.1	SW IMPROVEMENTS	4
1.2.2	BUG FIXING	4
1.2.3	Remarks	4
1.3 C)FM 3.60.0.2	5
1.3.1	SW IMPROVEMENTS	5
1.3.2	BUG FIXING	5
1.3.3	Remarks	
1.4 C	DTU8000E 5.02	5 5
1.4.1	SW IMPROVEMENTS:	5
1.4.2	BUG FIXING	5
1.4.3	Remarks	5
2.1 R	REVISION 1	6
<u>3.</u> <u>SOF1</u>	TWARE UPGRADE	7
3.1 C	ONMSI ON ACTIVE SERVER	7
3.1.1		7
3.1.2		9
3.1.3	UNINSTALL JERICHO	10
3.1.4	ONMSI INSTALLATION	11
3.2 O	ONMSI TOOLS ON ACTIVE SERVER	15
3.2.1	INSTALLATION	15
3.2.2	BACKUP	16
3.3 O	ONMSI TOOLS ON PASSIVE SERVER	17
3.3.1	INSTALLATION	17
3.3.2	REBUILD STANDBY	18
3.4 C	ONMSI ON PASSIVE SERVER	18
3.5 J	ERICHO	19
3.6 C	DTU	19



3.7 DATABASE INTEGRITY CHECK

Version	Date	Author	Index	Main Improvement
2.80	29/04/15	Ph Cornu	Revision 1	ONMSi v2.80.0.4
				ONMSi Tools v1.30.0.0
				OFM v3.60.0.2
				OTU8000e v5.02

19



1. ONMSi 2.80 Revision 1

1.1 ONMSi 2.80.0.4

1.1.1 SW Improvements:

- Accessibility according to WCAG
- Monitoring and localization after first splitter
- Windows server 2012 compatibility
- Alarm duration report
- Switch configuration in OTU configuration and network inventory
- EPT#5361 SNMP configuration issue reports alarm

1.1.2 BUG Fixing

- EPT#5469 "Association Enabled" is mandatory with OFM
- EPT#5509 improve display in Traceviewer with multitrace
- EPT# 4581 Update active server when system connect to OTU

1.1.3 Remarks

Localization after first splitter requires OTU8000e >= 5.02

Jericho required only for E9iSMSModem option

1.2 ONMSi Tools 1.30.0.0

1.2.1 SW Improvements

- More user friendly interface
- Capability to select main network for HAS transfer
- Backup of log files for HAS & ONMSi

1.2.2 BUG Fixing

• EPT5372 OTU without rescue upgrade without error

1.2.3 Remarks

Mandatory with $ONMSi \ge 2.80$



1.3 OFM 3.60.0.2

1.3.1 SW Improvements

• Capability to provide maps

1.3.2 BUG Fixing

1.3.3 Remarks

Automatically included with ONMSi 2.80

1.4 OTU8000e 5.02

1.4.1 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

1.4.2 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

1.4.3 Remarks



2. Software compatibility

This compatibility table must be strictly respected.

2.1 Revision 1

Date	May 2015				
Revision	1				
OS for server	64-bits Windows Server 2008 R2 Standard SP1 or Enterprise SP1 64-bits Windows Server 2012 R2 Standard or Enterprise				
Oracle	11G				
ONMSi	2.80.0.4				
Browser	Internet Explorer 8 Minimum, 9 or above Recommended Firefox 10 or above Google Chrome 16 or above				
ONMSi Tools	<mark>1.30.0.0</mark>				
OFM	<mark>3.60.0.2</mark>				
Jericho	4 build 41 only needed with E9iSMSModem				
OTU8000	>= 2.54 / 3.24 (login install replaced by installeth)				
OTU8000 boot	4.00				
OTU8000 rescue	3.24				
OTU8000e	>= 3.0 / <mark>5.02</mark>				
OTU8000e rescue	<mark>5.02</mark>				

Legend

New release displayed in **bold**

Dependency software displayed with same colour (except black)

Software version description

Most of our applications releases contain 4 digits.

- First digit = Major design change
- Second digit = New features , improvements
- Third digit = Maintenance patch
- Fourth digit = Reserved JDSU (build)



3. Software upgrade

Don't forget to request you new licenses to division before starting any upgrade.

For system with backup server, active server must be upgraded first.

3.1 ONMSi on active server

For system with backup, ensure system is configured on "ondemandfailover". If not switch system to this mode.

🔅 JDSU ONMSiTools					
Config Services Database	Otu 🛛	IAS Alarms About			
		DashBoard	- Ma		
		Failover			
Stop Da	shBoa	Switch To Auto Failover Switch To OnDemand FailOver	Otu	Quit	
	-	Upgrade Standby Server SW	ght		
[15-01-14 10:04:20] ##:	Rebuild Standby Server DB	*######		-
[15-01-14 10:04:20 [15-01-14 10:04:20 [15-01-14 10:04:20] ##;~~	Refresh			

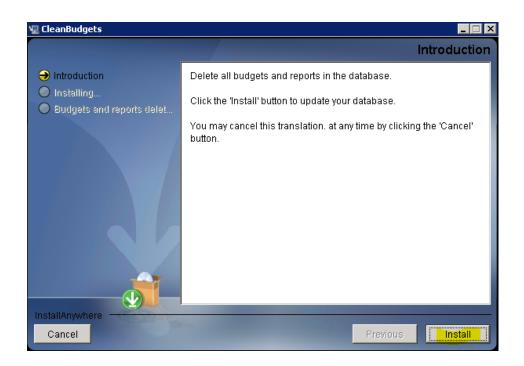
🛐 JDSU ONMSiTools Loca	l DashBoard					
JDSU ONMS_HAS Dash	Board	(mode: ondemandfailover)				
v1.20.0.0						
onmsi-test-main	active	normal	C: Use:63% Avail:22GB ;			
onmsi-test-bck	passive	normal	remote process: True			

3.1.1 Clean Old budgets

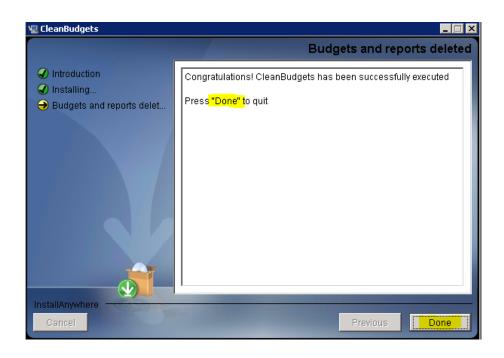
For upgrade from version 2.5x or lower, execute the program c:\workshop\CleanBudgets.exe to delete old corrupted budgets.



InstallAnywl	here	
5	InstallAnywhere is preparing to install	
	36%	
		Cancel
(C) 1997-2010) Flexera Software, Inc. and/or InstallShield Co. Inc.	

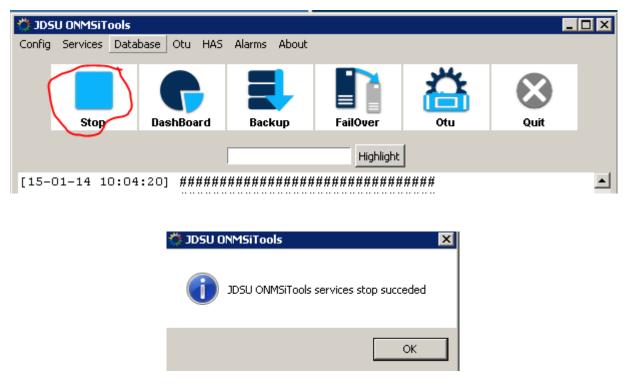






3.1.2 Uninstall ONMSi

Stop services.





From Control panel menu, uninstall the ONMSi application

Control Panel Home	Uninstal	l or change a program			
View installed updates	To uninsta	all a program, select it from the list and th	en click Uninstall, Change, or Repa	ir.	
Turn Windows features on or off					
	Organize 🔻	Uninstall/Change			= - (
	Name 🔺	-	Publisher	Install	Size
	A Micromedia	- Jericho	Micromedia International	07/01/2014	
	- 😡 Microsoft . I	NET Framework 4.5.1	Microsoft Corporation	01/04/2014	38,8
	💷 Microsoft V	isual C++ 2005 Redistributable (x64)	Microsoft Corporation	30/08/2011	702
	💷 Microsoft V	isual C++ 2008 Redistributable - x86 9	Microsoft Corporation	30/09/2011	2,06
	💷 Microsoft V	isual C++ 2008 Redistributable - x86 9	Microsoft Corporation	21/01/2013	594
	💷 Microsoft V	isual C++ 2008 Redistributable - x86 9	Microsoft Corporation	03/12/2013	600
	💷 Microsoft V	isual C++ 2010 x64 Redistributable	Microsoft Corporation	15/05/2013	13,8
	/ 👷 Microsoft V	isual C++ 2012 Redistributable (x64)	Microsoft Corporation	03/12/2013	20,5
	🥹 Mozilla Firel	fox 15.0.1 (x86 en-US)	Mozilla	04/10/2012	39,0
	🔯 Mozilla Mair	ntenance Service	Mozilla	04/10/2012	327
	🛞 No-IP DUC		Vitalwerks Internet Solutions	13/03/2013	182
	Notepad++	÷		05/06/2012	
	💷 ONMSi and		JDSU	24/10/2014	
	Python 2.7	cx_Oracle-5.1.1-11g	Anthony Tuininga	24/10/2014	1,63
	Python 2.7	pycrypto-2.3	Dwayne C. Litzenberger	24/10/2014	1,93
	🔁 VMware Co	nverter Agent	VMware, Inc.	08/08/2012	39,0
	VMware To	ols	VMware, Inc.	14/02/2012	40,2
	🞯 WinPcap 4.		CACE Technologies	15/05/2013	
	🔼 Wireshark :	1.8.6 (64-bit)	The Wireshark developer com	15/05/2013	102

3.1.3 Uninstall Jericho

If you do not use GSM modem for SMS it is recommended to uninstall Jericho

	• 🖻 •	Control	Panel 🔻 F	rograms - Programs and Features	🔻 🛂 Search Program	is and Features	۶
le	Edit View	Tools	Help				
	Control Panel Ho	ome		Uninstall or change a program			
	View installed up	dataa		To uninstall a program, select it from the list and th	en click Uninstall, Change, or Re	nair.	
					orrendrerin istanj estangoj orre	p an i	
	Turn Windows fe	eatures (on or off	Organize 👻 Uninstall/Change		3==	- 0
				Name A	Publisher	▼ Install ▼ S	ize .
				Adobe Reader X (10.1.3) - Français	Adobe Systems Incorporated	12/02/2015	119 MB
				🖧 Micromedia - Jericho	Micromedia International	28/10/2014	
				💀 Microsoft .NET Framework 4 Client Profile	Microsoft Corporation	23/10/2014	38,8 ME
				💀 Microsoft .NET Framework 4 Extended	Microsoft Corporation	23/10/2014	51,9 ME
				Microsoft Visual C++ 2005 Redistributable (x64)	Microsoft Corporation	23/10/2014	708 KE
				Microsoft Visual C++ 2008 Redistributable - x64 9	Microsoft Corporation	23/10/2014	788 KE
				Microsoft Visual C++ 2008 Redistributable - x86 9	Microsoft Corporation	23/10/2014	240 KE
				Microsoft Visual C++ 2008 Redistributable - x86 9	Microsoft Corporation	23/10/2014	596 KE
				Microsoft Visual C++ 2008 Redistributable - x86 9	Microsoft Corporation	23/10/2014	600 KE
				₩Microsoft Visual C++ 2012 Redistributable (×64)	Microsoft Corporation	23/10/2014	20,5 ME
				🔛 Notepad++	Notepad++ Team	23/10/2014	
				ONMSi and OFM-500	JDSU	27/10/2014	
				Python 2.7 cx_Oracle-5.1.1-11g	Anthony Tuininga	27/10/2014	1,63 MB
				Python 2.7 pycrypto-2.3	Dwayne C. Litzenberger	27/10/2014	1,93 MB
				VMware Tools	VMware, Inc.	23/10/2014	54,1 MB



By the end of uninstallation **Reboot server**

3.1.4 ONMSi installation

ONMSi and OFM-500 are both installed with only one setup. OFM is installed only if OFM option is activated in the licence key.

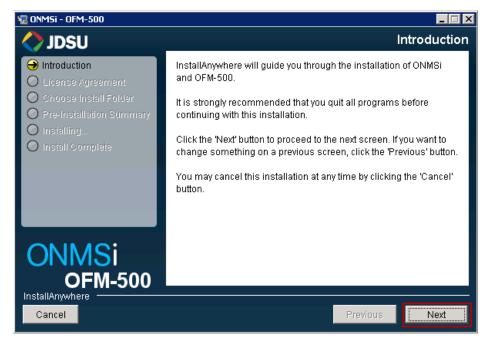
Launch the installed **ONMSi-OFM-500-setup.exe**

퉬 InstData	10/12/2011 3:08 PM	Dose
🚳 checkIntegrity.cmd	8/4/2011 1:30 PM	Scrip
hashdeep.exe	5/24/2011 1:32 PM	Appl
onmsi_ofm500.md5	10/4/2011 9:40 AM	Fichi
🔄 ONMSi-OFM-500-setup.exe	10/3/2011 3:10 PM	Appl

On the security message click on **Yes** to start the installation process.



Click on Next



Click on I accept and click on Next



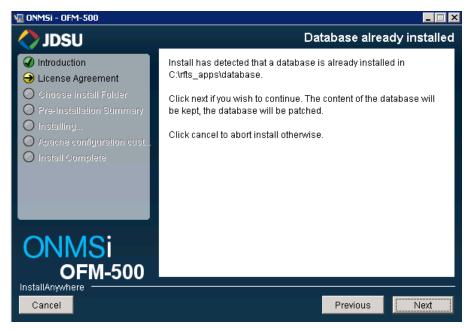


Click on **Choose** to select your licence file

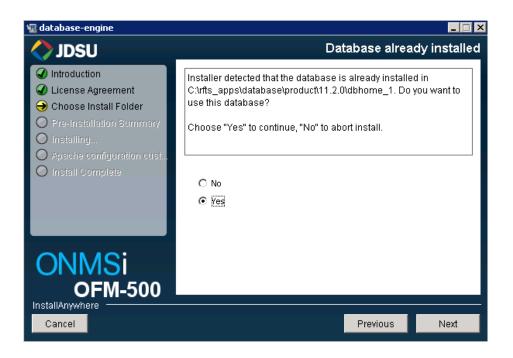
You must see Licence valid to be able to click on Next

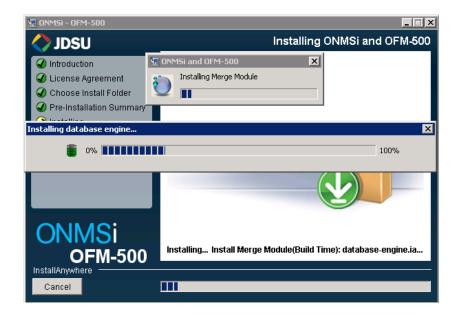


Select the directory where you want to store your application files (default is $rfts_apps$) then click on **Next**

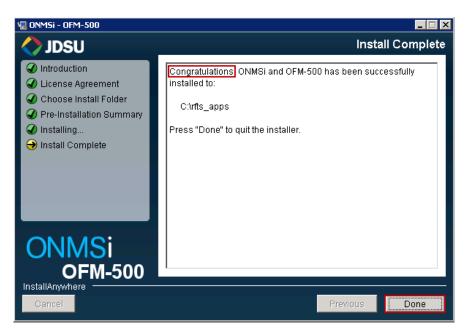












The OFM software has been installed during the ONMSi installation according to the licence generate by the Division

3.2 ONMSi Tools on active server

3.2.1 Installation

Install over the existing one on active server.

From the ONMSi DVD run InstallONMSTools.cmd



Start the installation as administrator

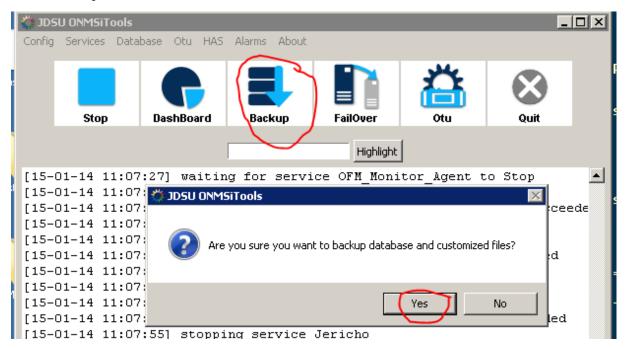


C:\Windows\System32\cmd.exe

```
Working_dir: C:\Workshop\InstallONMSTools\
Microsoft Windows [Version 6.1.7600]
About to install ONMSTools version 1.10.0
Step 0 OS_CHECK
Microsoft Windows [Version 6.1.7600]
Step 1 ASK_WHAT2INSTALL
Please choose what to install:
OTU scripts only : 1
OTU + ONMSTools : 2
OTU + ONMSTools HA : 3
Nothing (exit) : 0
Please enter your choice : 2_
```

3.2.2 Backup

Force "Backup" after ONMSi tools installed.





3.3 ONMSi Tools on passive server

3.3.1 Installation

Stop services.

🐡 JDS	U ONMSIT	ools						_	
Config	Services	Database	Otu HA	S Alarms	About				
(Stop		G shBoard	Bac	kup	FailOver	otu	Quit	
	\smile					Highlight]		
[15-0)1-14 1	0:04:20] #####	######	######	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	####		



Install over the existing one on active server.

From the ONMSi DVD run InstallONMSTools.cmd

🚳 ONMSTools_install			
	Open		
	Edit		
	Print		
	🛞 Run as administrator	St	art the installation as administrate



C:\Windows\System32\cmd.exe

```
Working_dir: C:\Workshop\InstallONMSTools\
Microsoft Windows [Version 6.1.7600]
About to install ONMSTools version 1.10.0
Step 0 OS_CHECK
Microsoft Windows [Version 6.1.7600]
Step 1 ASK_WHAT2INSTALL
Please choose what to install:
OTU scripts only : 1
OTU + ONMSTools : 2
OTU + ONMSTools HA : 3
Nothing (exit) : 0
Please enter your choice : 2_
```

3.3.2 Rebuild standby

For system with HAS option force "Rebuild Standby server"

🐡 JDS	U ONMSIT	ools								. 🗆 🗡
Config	Services	Database	Otu	HAS	Alarms	About				
		D	DashBoard			- Ma				
		Failover								
Stop DashBoa			Switch To Auto Failover Switch To OnDemand FailOver			Otu	Quit			
						tandby Server SW		ht		
[15-0	01-13 1	3:30:12]	##:	R	ebuild Sta	andby Server DB		######		
		3:30:12] 3:30:12]		- RJ	efresh			###### ######		
		3:30:12]								

3.4 ONMSi on passive server

Use the toolkit / HAS / Upgrade Standby Server option to upgrade all application. No need to upgrade Mapserver config, database ...



🔅 JDSU ONMSiTools			-	
Config Services Database O	u HAS Alarms About			=
	DashBoard	- Ma	-	
	Failover		\mathbf{x}	
Stop Dashi		Otu	Quit	
	Switch To OnDemand FailOver	ght		
F15 01 10 10:00:101				
[15-01-13 13:30:12] ;	##:Refresh ##:Refresh	*###### *####### *#######		

3.5 Jericho

From Control panel menu, uninstall the Jericho application

Then install the new one.

3.6 OTU

Install over the existing one using OTU tool kit.

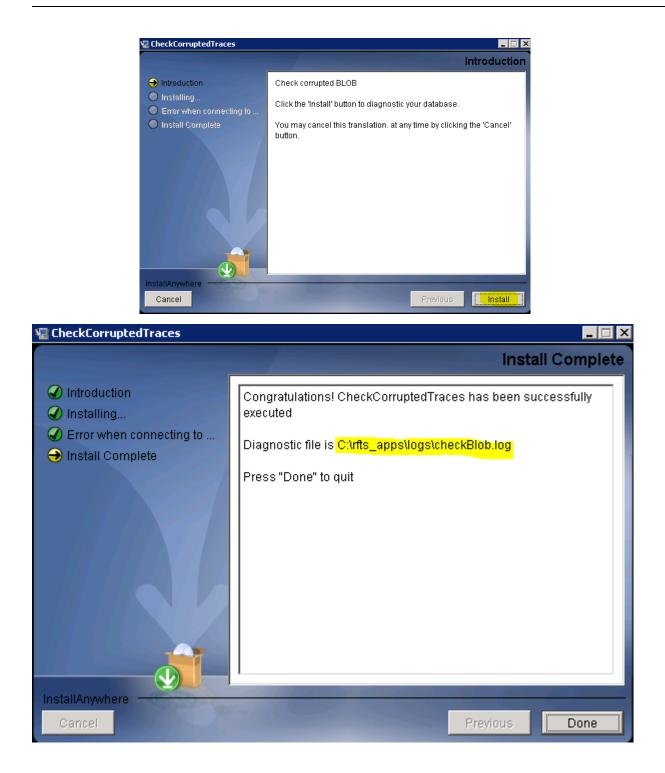
3.7 Database integrity check

• Execute the CheckCorruptedTraces.exe program on active server to identify the corrupted OTDR traces.

Execute the program CheckCorruptedTraces







• Repair the identified corrupted OTDR traces.



Open the file C:\RFTS_APPS\LOGS\CheckBlob.txt

For the links with repair instruction, copy, paste the url, then redo the reference according to the detail provided below.

```
## Corrupted OTDR Acquisition ID = 522396
## Acquired on: 07-DEC-12 03.57.25.000000 AM|
##
Used in monitoring test ID = 522354
Monitoring test name = test1
Link ID = 521227
Link name = BD_CT_JT01-01-023
ONMSi URL = "http://localhost/app.jsp#LINK_DASHBOARD!id'521227'new'false"
OTDR trace used as REFERENCE of DETECTION of this test
-- REPAIR instructions --
-- Redo the DETECTION acquisition for this test
-- With acquisition parameters:
-- Duration (s): 5
-- Pulse (ns): 1000
-- Resolution (cm): 1000
-- Wavelength (nm): 1650
-- Range (km): 20.463
```