



Optical Network Management System

ONMSi

ONMSi tools

Edited by	VIAVI Solutions	
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Reference	ONMSi_Tools_user_manuel.do cx	Version A.2

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Optical Network Management System

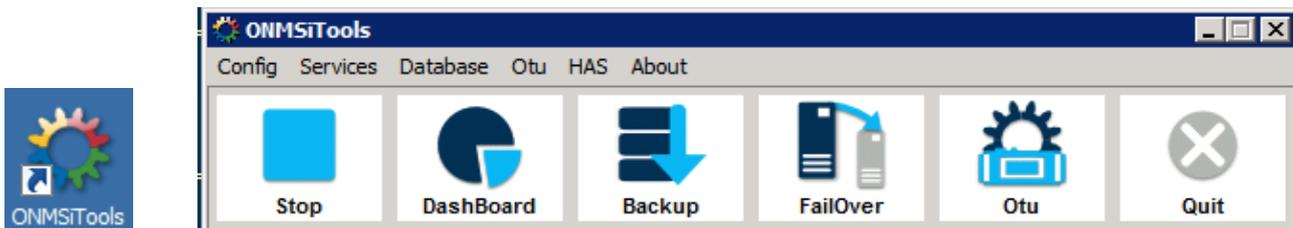
Version	Date	Author	Index
A.0	16/01/13	B. Lions	First release
A.1	29/07/13	B. Lions	Standby server update
A.2	21/05/14	S. Gérenton	V 1.16.X update

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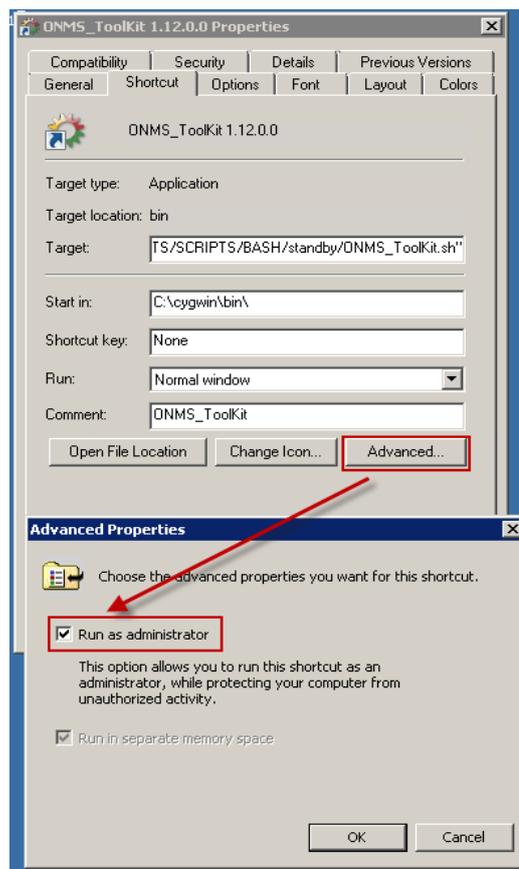
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1. Introduction

This process describes the capability of the ONMSi Tools install with the ONMSi server.
 For the install refer to the server installation process Integration_Server_ONMSi_OFM_AX



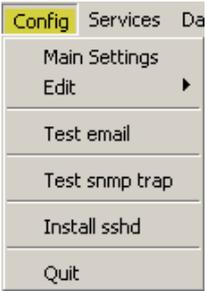
To start the tools you must run them has administrator, click on the shortcut and open the properties



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2. Menus

2.1 Config



2.1.1 Main setting

Cluster

- nmbrofeventsbeforealarm: 10
- failoveractiveservices:
- maintenance_period_mn: 30
- emailhb_period_mn: 30

Backup

- db_recovery_file_dest: E:\dbrecoveryarea\
- full_days: mon tue wed thu fri sat sun
- time: 11:18
- retention_days: 14

Server1

- ipmi_address: [empty]
- address0: onmsi-test-main
- address1: 192.168.0.1

Server2

- ipmi_address: [empty]
- address0: onmsi-test-bck
- address1: 192.168.0.2

Smtp

- mailhost: emearelay.ds.jdsu.net
- smtp_username: [empty]
- smtp_password: [empty]
- domain: @jdsu.com
- admin_toaddr: [empty]
- failover_toaddr: [empty]

Db_Misc

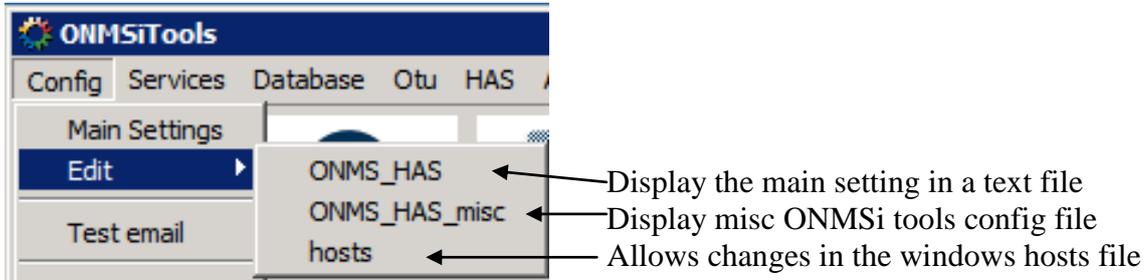
- archivetrstperiod_mn: 5

Callouts:

- Fail over condition (points to failoveractiveservices)
- Backup directory (points to db_recovery_file_dest)
- Backup full day(s) (points to full_days)
- Backup scheduled time (points to time)
- Number of days kept in backup directory (min 14) (points to retention_days)
- Server name mandatory (points to address0)
- ⓘ Only use with the option remote hot backup solution (points to Server2)
- Email server and email addresses information. Not mandatory (points to Smtp)

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2.1.2 Edit





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2.1.2.1 ONMS_HAS config file

```
[cluster]
mode = cluster
activeserver = server1
clusterconfig = ondemandfailover
serveroperation = normal
maintenance_period_mn = 30
emailhb_period_mn = 30
heartbeatperiod_sec = 60
nmbrofeventsbeforealarm = 10
failoveractiveservices = no
version = 1.16.1.0

[backup]
db_recovery_file_dest = E:\dbrecoveryarea\
threshold = 80
time = 11:18
full_days = wed
retention_days = 14

[server1]
address = onmsi-test-main,192.168.0.1
ipmi_address =

[server2]
address = onmsi-test-bck,192.168.0.2
ipmi_address =

[logging]
cons_log_level = warning|
file_log_level = debug
debug_log_file = _debug.log
hours2keepdebuglogs = 48
console_log_file = _console.log
days2keepfilelogs = 30
event_log_level = info
event_log_file = _hystory.log
days2keepeventlogs = 90

[apps_main]
name = ONMSi
startup_dly_sec = 0

[services]
commonservices = ONMSiApache,syslog-ng,sshd
lstnrnservice = OracleOraDb11g_home1TNSListener
dbservice = OracleServiceCORETECH
customservices =

[smtp]
subject = JDSU ONMS_HAS
mailhost = emearelay.ds.jdsu.net
domain =@jdsu.com
admin_toaddr =
failover_toaddr =
smtp_username =
smtp_password =
sendclear = yes

[snmp]
snmpdebug = no|
snmpenabled = no
minseverity = warning
snmpversion = v2c
managerlist = manager1,manager2
snmpport = 16100
trapport = 162
notifytype = trap
informtimeoutsec = 3
informretries = 3
community = v2community
autogenerateid = yes
forcedengineid = 0x80008c21xyxyxyxyxyxyxyxyxyxy
v3user = usr-md5-des
seclevel = authPriv
v3auth = md5
v3priv = des
authkey = authkey1
privkey = privkey1
ipproto = ipv4
sendauthtrap = no
```

Same as main settings

Logging details. Change only if VIAVI Solutions asked it

Monitored apps and services. In "customservices", you can add manually "ONMSi_GIS_Interface"

Email notification feature configuration , same as main settings

Snmp V2 feature configuration :

- Snmpenabled = yes to enable the feature
- Managerlist = IP or host name of SNMP manager
- Can change trap and snmp port (default 162 & 16100)

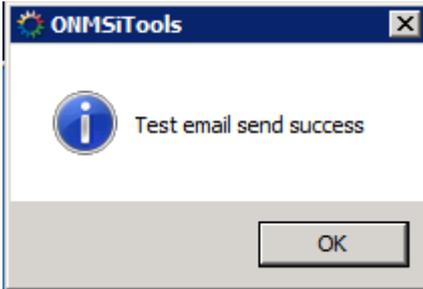
Snmp V3 config. Parameters should be setup according to the manager settings

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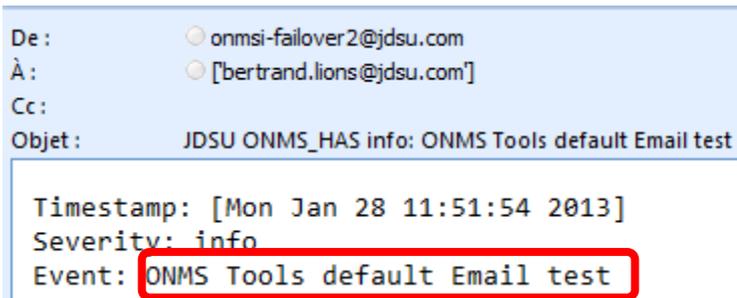
2.1.3 Test email

Test email

Click on this menu to check if your SMTP server and email address are properly configured



The mail configuration is correct.

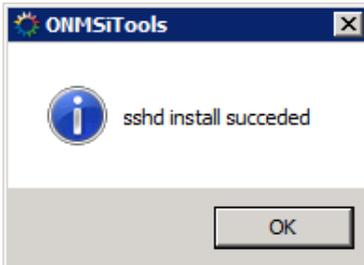


You'll receive this information email.

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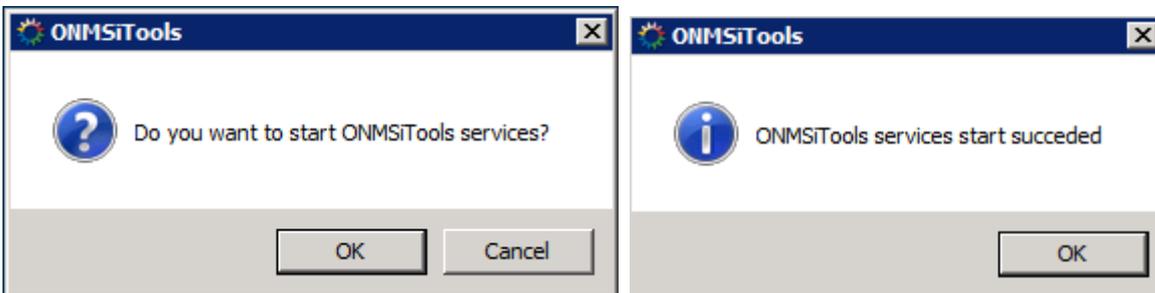
2.1.4 Install sshd

Install sshd Use this in case there are issues, **do it only if the support team ask you to do it.**

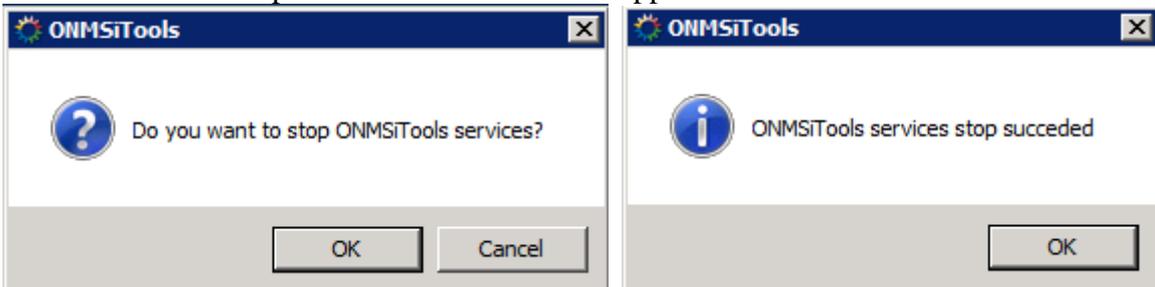


2.2 Services

2.2.1 Start



2.2.2 Stop



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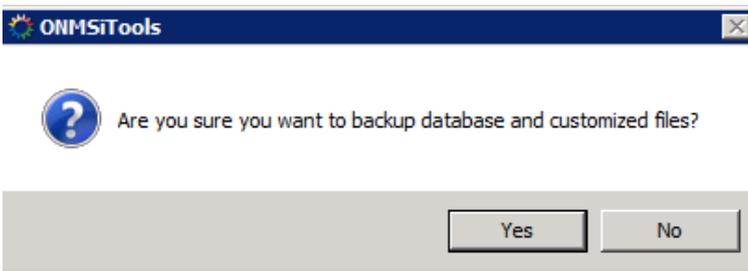
2.3 Database



- Manual full backup database and configuration file
- Restore the database from the latest backup available

2.3.1 Backup

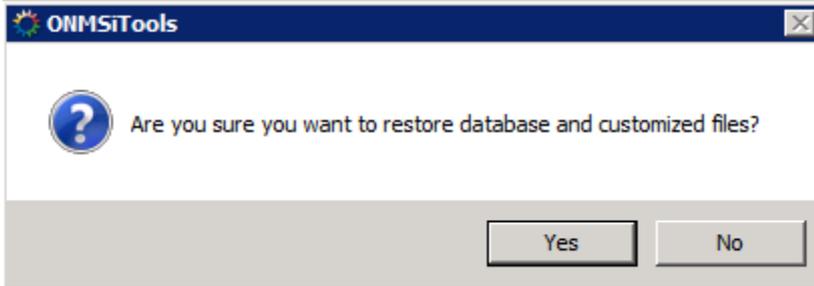
To start a full database and configuration file click on Database / Backup Full



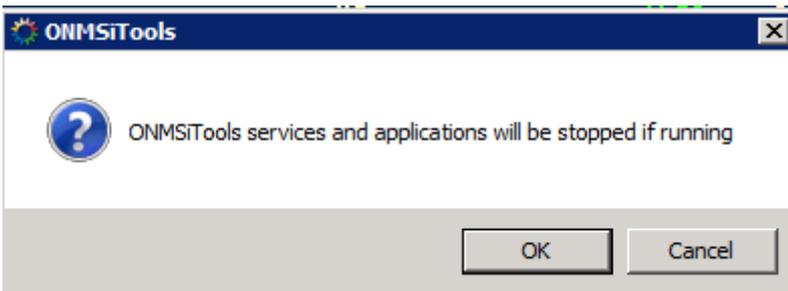
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2.3.2 Restore

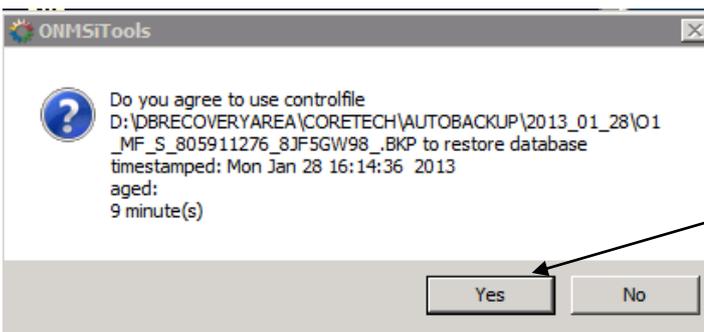
To start a full database and configuration file click on Database / Restore



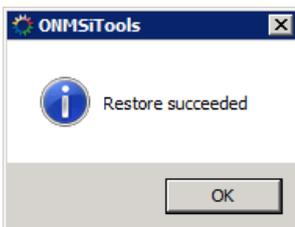
Click on Yes to start the restore process



Click OK [ⓘ *This will stop the ONMSi services and applications*]



Click yes to restore the backup at the date and time displayed



When this message appears the restore is done

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2.4 Otu

Refer to the document OTU_operation_AX

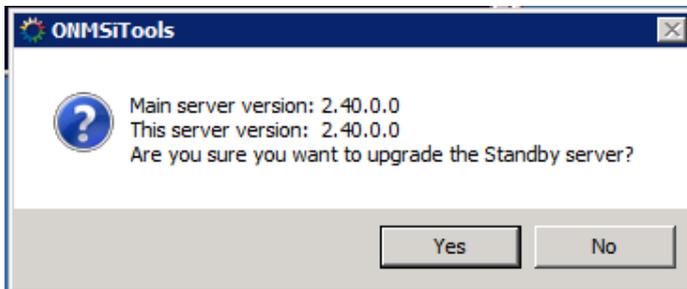
2.5 HAS

① From the standby server

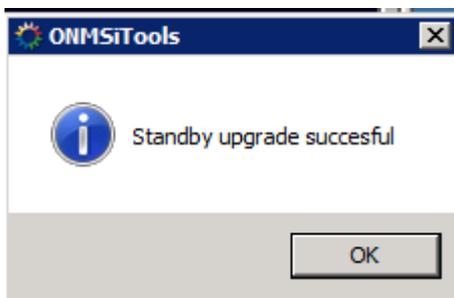
→ Update standby server with the current active server version

2.5.1 Update standby server

To update the standby server, 1st setup the latest version of the ONMSi tools on the standby server then click on HAS / Upgrade Standby Server



Check the version and click on Yes if it's OK



This message appears when the update is done

Restart the services ONMS_HAS

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3. Buttons

Icons	Functions
 Start	Will start the ONMSi services and applications
 Stop	Will stop the ONMSi services and applications
 DashBoard	Display the dashboard with database, applications and backup status
 Backup	Will start a full database and configuration files manual backup
 FailOver	Will activate the Standby (passive) server ⓘ Only available with the ONMSi High Availability System option
 Otu	Will open the OTU operation menu
 Quit	Will exit the tools menu