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| **PatchGUI application manual** |

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# Start your application

Start the JDN PatchGui.exe.   
In this manual we show screenshots of the application tested on the setup for Willem De Vlamingh (WV).

Machine generated alternative text:
JON PatchGui 

To run the application you will have to use your adl account, which has higher privileges and is able to execute your requested actions.   
This can take some time to start the application if you run the application for the first time with your adl account.

Machine generated alternative text:
W'r,dows PowerShell credential request 
Please specify credentials 
User name: 
aptain 

The application will start and you will have to select a virtual machine to be able to apply an action to it.

# Overview of the application

The PatchGUI can be divided into 4 important parts as seen below.

Machine generated alternative text:
PatchGU1 
o 
W-BACKUPOI 
kW-BOSUNOI 
W-CAPTAINOI 
W-CHIEFOI 
kW-COOKOI 
kW-DCOI 
W-ECROI 
W-ECROFFICEOI 
VA-ELECOI 
W-ELEC02 
o 
Start Update 
Reboot 
Start Patch 
Scan 
Start Update 
Cycle + Reboot 
Generate Report 
ecking connection with WV-ELECOI 
W-ELECOI is ONLINE 
WV-ELECOI has altiris a ent 

1. This panel shows all available virtual machines. Select your machine here to which you want to apply an action.
2. All actions that can be applied to any virtual machine
3. Extra information. If you click on a virtual machine it will check the connection, whether it is online or not, if a Symantec management agent is installed and reports a status of all actions.
4. Taskserver status and whether the virtual machine has a Symantec management agent. If red, it means that there is no Symantec management agent installed and that no action can be applied.

The Symantec management agent (Altiris agent) is a software tool that is used to check for updates/patches in software and applies these onto the machine on which it is installed.

# Use of the actions panel

## Generate Report

If you choose **Generate Report**, the application can ask in which application you want to view the report. In this case, choose Internet Explorer.   
It doesn't matter if you have selected a machine when clicking this button, because the report will be generated with a table of all server virtual machines.

Machine generated alternative text:
PatchGU1 
kW-AMOSOI 
W-BACKUPOI 
kW-BOSUNOI 
W-CAPTAINOI 
W-CHIEFOI 
kW-COOKOI 
kW-DCOI 
W-ECROI 
W-ECROFFICEOI 
W-ELECOI 
W-ELEC02 
Start Update 
Reboot 
Start Patch 
Scan 
Start Update 
Cycle + Reboot 
Generate Report 
WV-ELECOI has altiris agent 
Checking connection with WV-ECROI 
W-ECROI is ONLINE 
WV-ECROI has altiris agent 
Checking connection with WV-CHIEFOI 
W-CHIEFOI is ONLINE 
WV-CHIEFOI has altiris agent 
Checking connection with WV-BRIDGEOI 
is ONLINE 
has a 

The example below shows a situation in which the VMs are not patched. They were last updated +400 days ago. It means that they have a lot of patches waiting to be applied. The column “uptime” gives an indication of how many days ago the machines were rebooted.

Machine generated alternative text:
Member server status report 
IP Address 
10.1.240.14 
10.1.240.18 
10.1.240.11 
10.1.240.12 
10.1.240.25 
10.1.240.15 
Uptime Last updated 
Nam e 
WV-APPSOI 
WV-BACKUPOI 
WV-DCOI 
WV-FILEOI 
WV-MONITOROI 
WV-TASKSOI 
OS Version 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
23 
23 
20 
23 
18 
23 
497 
497 
44 g 
497 
497 
497 
The following servers could not be contacted 
(disabled computer accounts are omitted) 

Go back to the PatchGUI application in order to make the servers install their updates. If you want to update for example the XX-APPS01 server, select your XX-APPS01 server and choose **Start Update Cycle**. This will apply all available updates to this machine.

If you want your machine to also reboot after the updates are installed, choose **Start Update Cycle + Reboot** in the actions panel.

After requesting the patches to be applied on all VMs, you should see your report as below:

Machine generated alternative text:
Member server status report 
IP Address 
10.1.240.14 
10.1.240.18 
10.1.240.11 
10.1.240.12 
10.1.240.25 
10.1.240.15 
Uptime Last updated 
Name 
WV-APPSOI 
WV-BACKUPOI 
WV-DCOI 
WV-FILEOI 
WV-MONITOROI 
WV-TASKSOI 
OS Version 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
Windows Server 2016 Standard 
The following servers could not be contacted 
(disabled computer accounts are omitted) 

## A Machine has no Symantec management agent installed

The Symantec management agent is a software tool that is used to check for updates/patches in software and applies these onto the machine on which it is installed.

When selecting a machine from the list, the application will always automatically check the connection to the machine and if it has a Symantec management agent.

If you have selected a machine with no Symantec management agent, the patch tool will show you this as below.

Machine generated alternative text:
PatchGU1 
kW-AMOSOI 
W-BACKUPOI 
kW-BOSUNOI 
W-CAPTAINOI 
W-CHIEFOI 
kW-COOKOI 
kW-DCOI 
W-ECROI 
W-ECROFFICEOI 
W-ELECOI 
W-ELEC02 
Start Update 
Cycle 
Reboot 
Start Patch 
Scan 
Start Update 
Cycle + Reboot 
Generate Report 
Checking connection with WV-BACKLIPOI 
WV-BACKUPÜI no altins aaent 

The name of your selected machine will be displayed and agent will be focussed in red.   
If this is the case, create a ticket at our ICT Service Desk to ask if they can push the Symantec management agent to the specific virtual machine.

Be aware that the action buttons related to a Symantec management agent are also greyed out if no Symantec management agent is installed on the machine.

You can connect to this machine from the moment that you receive a message that the agent was installed. In your system tray (lower right) on the taskbar you will see the icon of the Symantec management agent.

Machine generated alternative text:
Customize.. 

Opening this will show your agent. Wait for a few minutes until the status changes from red to green as below:

Machine generated alternative text:
o 
Symantec Management Agent 
Agent Settings 
Package download is finished. 
Package download is finished. 
O 
IY04/2018 
Agent registered on the server successfully 
O Computer ID assigned by the server is IC74CB067-D35E-4COE-A244-g876B408Fogg) 
IY04/2018 
o 
la 
Agent Settings 
Sofhmare Delivery 
Task Status 
O 
Help 
05 a 
Limitea to 1370 
No maintenance uuindouus configured 
User Options 
v notific..„ 
V icon 
INenmorK usage: 
Maintenance Windows: 
Agents/PIug-ins 
A ents/PIu -ins 
Altiris Client Task Agent 
Altiris DAgent 
Inventory Rule Agent 
Sofhmare Management Fra... 
Symantec Management Ag... 
Version 
8.1.5641 
8.1.5641 
8.1.5641 
8.1.5641 
Install Path 
C:XProgram FilesNAItirisNAItiris AgentNAge... 
C:XProgram FilesNAItirisXDagent 
C:XProgram FilesNAItirisNAItiris AgentNAge.. 
C:XProgram FilesNAItirisNAItiris AgentNAge... 
C:XProgram FilesNAItirisNAItiris Agent 

This indicates that your agent connects correctly to its server and is downloading packages for your machine.

## Reboot a Machine

If a machine need to be rebooted for any reason, first select the machine in the list and click **reboot**. An entry is added in the lower pane that a reboot is requested for the chosen machine. Also if a virtual machine hangs, you can use this option that can solve a lot of problems.

Machine generated alternative text:
PatchGU1 
kW-AMOSOI 
W-BACKUPOI 
kW-BOSUNOI 
W-CAPTAINOI 
W-CHIEFOI 
kW-COOKOI 
kW-DCOI 
W-ECROI 
W-ECROFFICEOI 
W-ELECOI 
W-ELEC02 
Start Update 
Reboot 
Start Patch 
Scan 
Start Update 
Cycle + Reboot 
Generate Report 
Checking connection with WV-BACKLIPOI 
W-BACKUPOI is ONLINE 
WV-BACKLIPOI no altiris agent 
Checking connection with WV-BRIDGEOI 
is ONLINE 

Note that you will not see a status of the boot progress.

## Start Update Cycle

If your machine has an agent (status for agent is green), you can start the update cycle, which simply means that you will ask your machine to search for new updates and apply them.   
You have the choice between 2 options.  
**Start Update Cycle** will check for new updates and apply them afterwards. After this process you will be requested to reboot the machine and you will have the option to choose when you want to reboot:

Machine generated alternative text:
PatchGU1 
kW-AMOSOI 
W-BACKUPOI 
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W-CAPTAINOI 
W-CHIEFOI 
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W-BACKUPOI is ONLINE 
WV-BACKLIPOI no altiris agent 
Checking connection with WV-BRIDGEOI 
is ONLINE 
has agent 
Start update cvcie tor WV-BHIOISELII 

A second option is **Start Update Cycle + Reboot**. This option will automatically reboot your machine after the updates are applied. The only disadvantage you have here is that you don't get the option to choose when to reboot the machine, but you will not have to connect to the machine after the updates are applied to reboot.

Machine generated alternative text:
PatchGU1 
kW-AMOSOI 
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kW-DCOI 
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W-ECROFFICEOI 
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Start Update 
Reboot 
Start Patch 
Scan 
Start Update 
Cycle + Reboot 
Generate Report 
WV-BACKLIPOI no altiris agent 
Checking connection with WV-BRIDGEOI 
is ONLINE 
has agent 
REBOOT for 
Start update cycle for WV-BRIDGEOI 
Checking connection with WV-CHIEFOI 
W-CHIEFOI is ONLINE 