POWER OF THE SHELL

Plugin made by Johnni Jakobsen
Made for PC Monitor by MMSOFT Design ltd.

Document is intended for v1.4 of the plugin and PC Monitor Agent v3.1.3 and above.

Foreword

This is my first plugin for PC Monitor (PC Monitor By MMSOFT Design ltd)
The plugin is all about PowerShell, that's why I have decided to call it "PowerOfTheShell"

This plugin is for all those of you that want to run PowerShell scripts while you are on the go and get the results immediately from within PCM, directly on your device.
It's designed towards users like operations, having to run daily scripts or on-duty staff needing to run debug, maintenance scripts away from their computers.

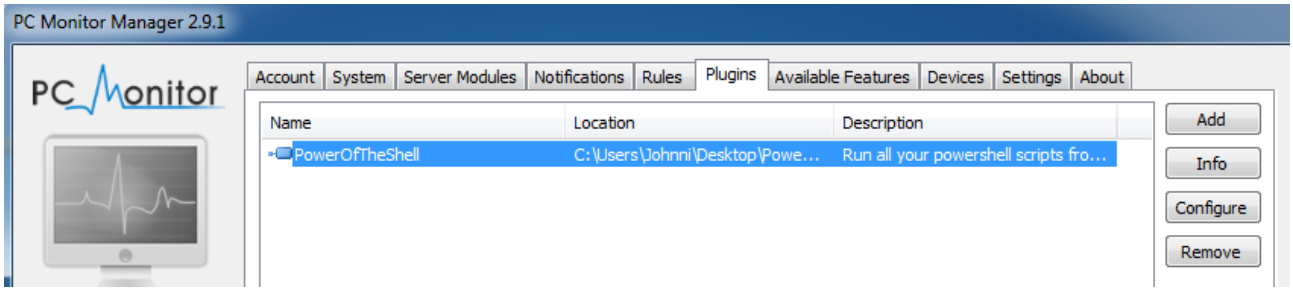
Main features are:

- The menu of PowerOfTheShell including subpages with script commands is easy to configure through a simple layout found in a config XML file.
- Run any PowerShell script 1.1, 2.0, 3.0 and have the result(s) shown in PCM.
- Supports WINRM scripts, Execute remote commands on several machines/servers and have the results in one place.
- Last retrieved results including date and time, is always available while PCM is running.
- Select max results to be shown. Good if your script returns a lot of results and you want to control the amount visible.
- Information about script status idle/running.
- Configure plugin impersonation settings from within PC Monitor Manager.
- Support for Nested pages.
- Support for PC Monitor API 3.0 Input Controls
- Support for "Partial" Input Controls
- Support for setting the log level

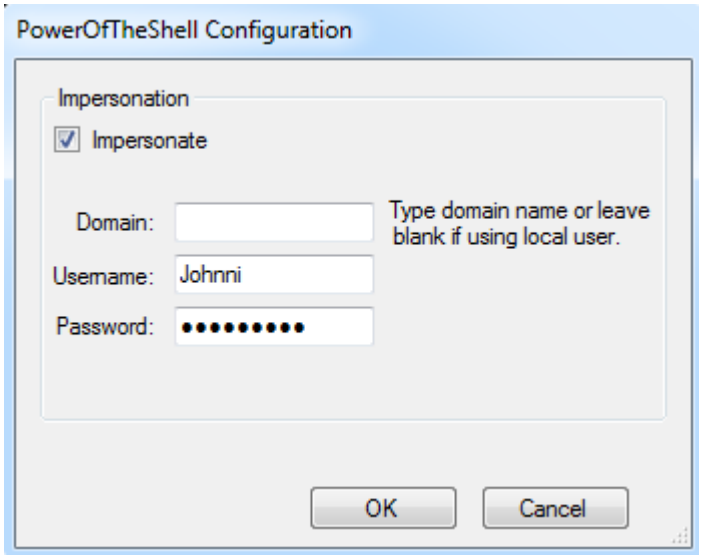
Installation

PowerOfTheShell Plugin is very easy to get started with.
Just copy/extract the content of the zip to the destination you want.

Open PC Monitor Manager and add the plugin.



Click on the plugin to select it and press the configure button to open the plugin configuration.



To use impersonation with the plugin check the checkbox and enter your account details, can be a local user or domain user depending on what your needs are with the script execution, it just needs to be able to elevate.
In the zip there is a script example on how to add encrypted credentials for a remote WMI call. This you will need if the plugin impersonation user has no rights on the remote machine being requested. The configuration change will take affect after 15 seconds, no restart needed.

Short explanation of the XML.

<main> Start Tag

<group> Start the XML with a group before creating all pages and subpages below,

· title : group name (e.g PowerOfTheShell).

· enabled: set to True/False shows/hides the whole group.

· maxResults: limit the amount of results the scripts can return.

<page> A new page,

· title: page name (e.g Antivirus).

· pageId: numeric value.(never assign value 0 or the same value twice)

· subtitle: subtitle text: (e.g Tools for Antivirus).

· enabled: set to True/False shows/hides the page.

<subpage> A new subpage,

· title: subpage name (e.g Information).

· pageId: numeric value.(never assign value 0 or the same value twice)

· subtitle: subtitle text: (e.g retrieve vendor and status).

· enabled: set to True/False shows/hides the subpage.

<command> A new command,

· title: command title (e.g Run script)

· commandId: numeric value.(never assign value 0 or the same value twice)

· path: Where your script lies(e.g D:\Scripts\antivirus.ps1)

· arguments: if your script takes arguments then can be applied here. Separate each argument with a space.

</subpage> Closing Subpage

</page> Closing Page

</group> Closing Group

</main> End Tag.

Now open plugin config.xml in your favorite editor and start creating your menu structure.

The Zip contains config examples.

```
<?xml version="1.0"?>
<!-- Simple Example Xml -->
<main>
  <group title="PowerOfTheShell" enabled="True" maxResults="50">
    <page title="AntiVirus" pageId="1" subtitle="Tools For Antivirus" enabled="True">
      <subpage title="Information" pageId="2" subtitle="Retrive vendor and status" enabled="True">
        <command title="Run Script" commandId="1" path="D:\Scripts\anti.ps1" arguments="" />
      </subpage>
    </page>
  </group>
</main>
```

The plugin needs to be reloaded after the config.xml has been changed.
To reload, you can remove the plugin, wait 5 seconds and add it again. Or you can simply restart PC Monitor service.

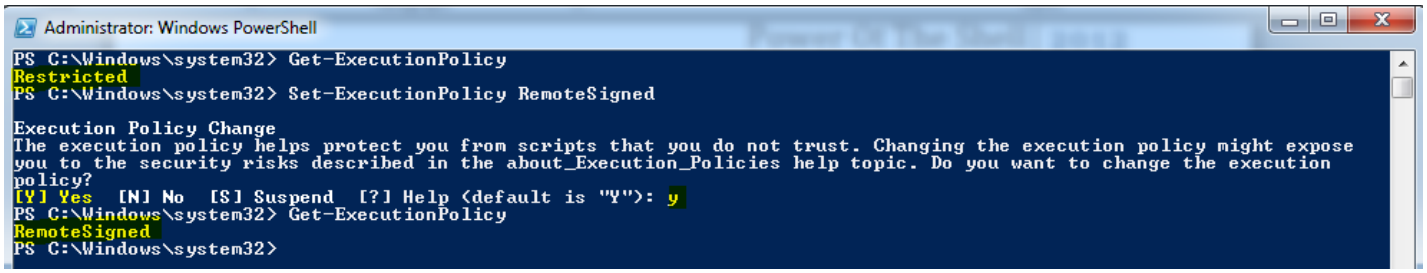
Nested Pages

From version 1.2 it's now supported to create nested pages. This means that you can create a page that has a subpage and that subpage has one or more subpages with commands. The attribute "parent" added to a subpage pointing to the pageId of any other subpage, will make it a nested page below the selected one.

```
<subpage title="Computer Info" pageId="30" subtitle="Tools For Computer Info" enabled="True" />
 <subpage  parent="30" title="BIOS" pageId="31" subtitle="Details from BIOS" enabled="True">
 <command title="Run Script" commandId="30" path="c:\program files\pc monitor\scripts\bios.ps1" arguments="" />
 </subpage>
 <subpage parent="30" title="Video Card" pageId="33" subtitle="Video Card Details" enabled="True">
 <command title="Run Script" commandId="32" path="c:\program files\pc monitor\scripts\video.ps1" arguments="" />
 </subpage>
```

Allow execution of scripts.

Before starting to test the menu and scripts, we need to allow the execution of the scripts.
PowerShell comes default with the ExecutionPolicy: **Restricted** to allow the plugin to work we need to set the execution policy to **RemoteSigned** or **Unrestricted** (First choice is more secure and recommended)
Open PowerShell, **Needs to be elevated** because the settings are altered in the Registry.
Run the Get-ExecutionPolicy command to get current setting.
Change the setting by running Set-ExecutionPolicy RemoteSigned, click "y" when prompted. The policy is now changed to RemoteSigned.

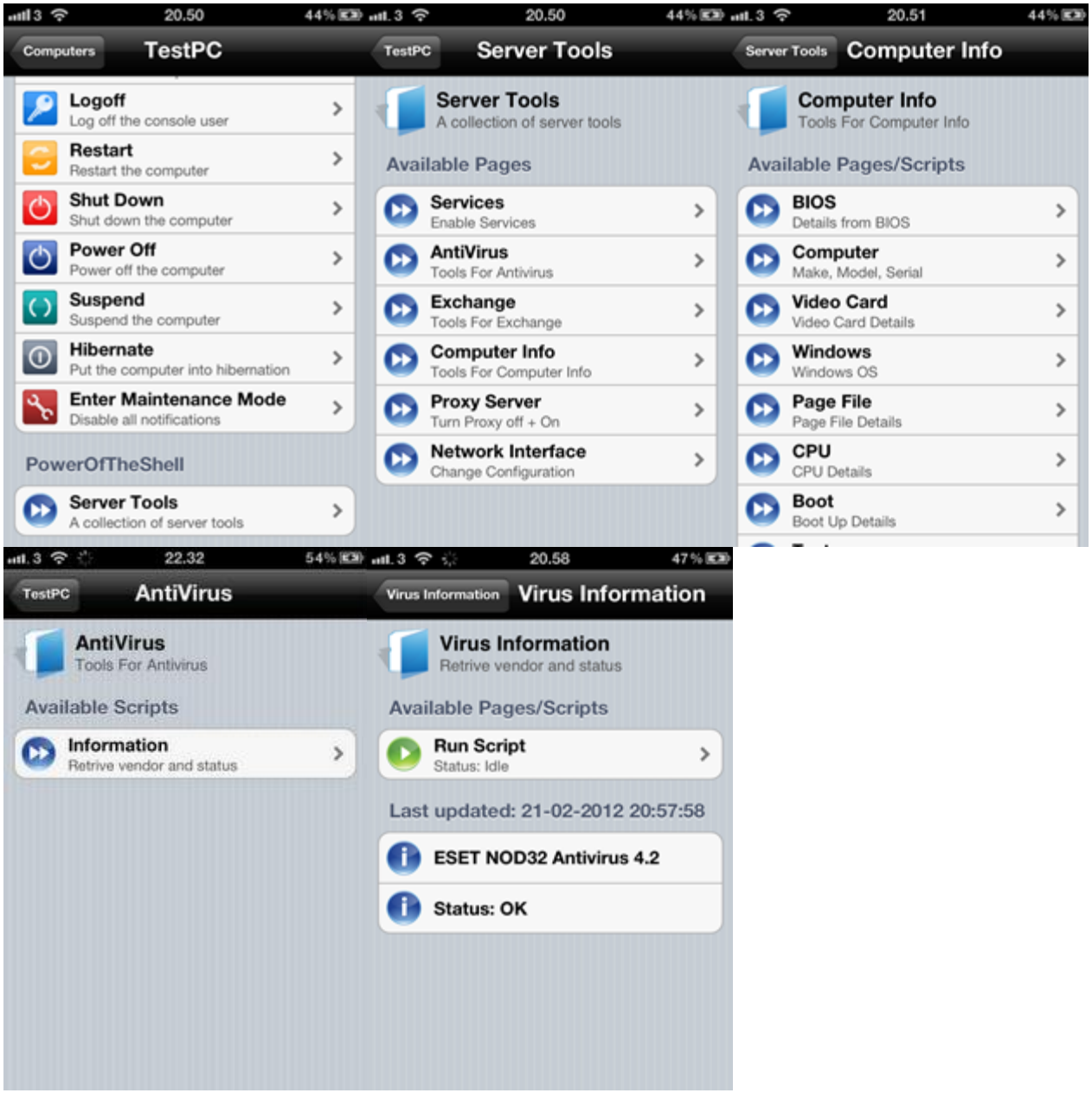


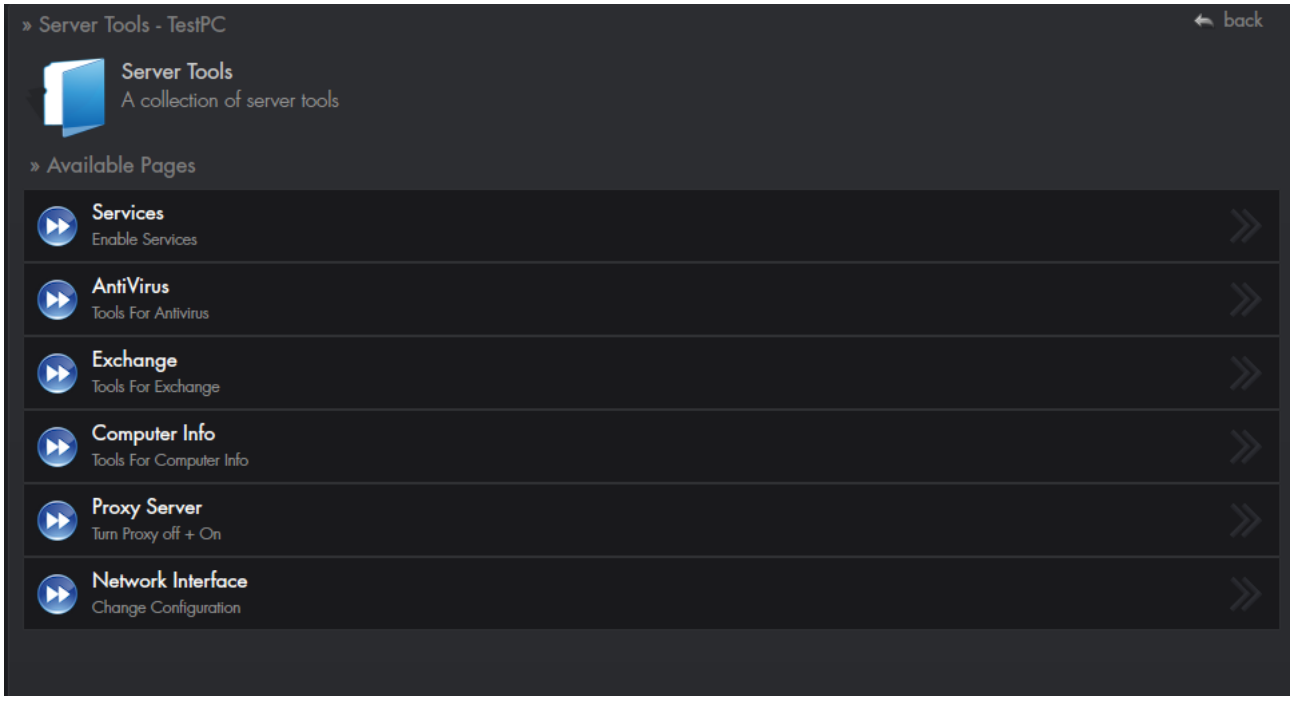
Simple script example.

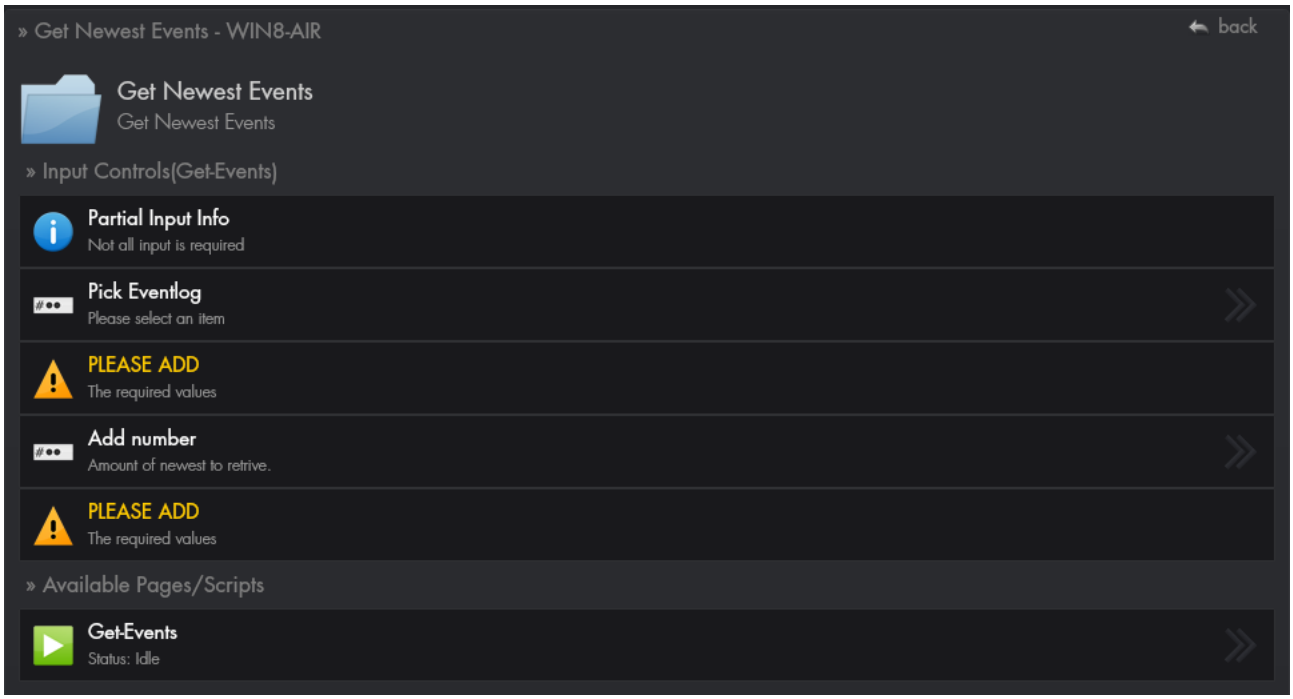
Please note that when running your script(s) in PCM you cannot use cmdlets like write-host, read-host or other input/output formats, this will not work! Instead just list the variable like this.
(Please find this script example in the zip package)

```
try
{
    #For Windows 7 use namespace SecurityCenter2, for Windows XP use SecurityCenter
    $info = get-wmiobject -namespace "root/SecurityCenter2" -Query "Select * from AntivirusProduct"
    if(($info.productstate -eq 266240) -or ($info.productstate -eq 262144))
    {
        $info.displayName
        "Status: OK"
    }
    else
    {
        $info.displayName
        "Status: NOT OK"
    }
}
catch
{
    $($Error[0])
}
```

Screen shoots




» Server Tools - TestPC
back
Server Tools
A collection of server tools
» Available Pages
Services
Enable Services
AntiVirus
Tools For Antivirus
Exchange
Tools For Exchange
Computer Info
Tools For Computer Info
Proxy Server
Turn Proxy off + On
Network Interface
Change Configuration


» Get Newest Events - WIN8-AIR
back
Get Newest Events
Get Newest Events
» Input Controls(Get-Events)
Partial Input Info
Not all input is required
Pick Eventlog
Please select an item
PLEASE ADD
The required values
Add number
Amount of newest to retrive.
PLEASE ADD
The required values
» Available Pages/Scripts
Get-Events
Status: Idle