

RemoteExec Printable Documentation

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1. General

1.1. RemoteExec

RemoteExec allows you to launch remote execution on computers.

Here are some of the most interesting *Jobs* you can execute with *RemoteExec* on remote machine:

- Run executable files: *.exe, *.bat, *.cmd, *.vbs, *.js...
- Install all packages with a silent installation mode.
- Install **.msi** packages.
- Deploy *Hotfixes* and *Service Packs* on your *Windows* network.
- Execute *scripts* on many computers
- Interact remotely with a *console* program like a telnet.
- Update the registry with **.reg** files
- Play an alarm in a **.wav** file.
- Display a *popup* to users.
- *Power off* or *restart* remote computers.
- *Wake up* remote computers.
- *Logoff* users.
- Deploy files & folders.
- Change the password of the local administrator of your workstations.

To quickly use *RemoteExec* you can first read the [Getting Started guide](#). In a second step you can read the reference to learn more over all *RemoteExec* features. You can finally read the register information if you are interested into getting a fully functional version.



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1.2. Requirements

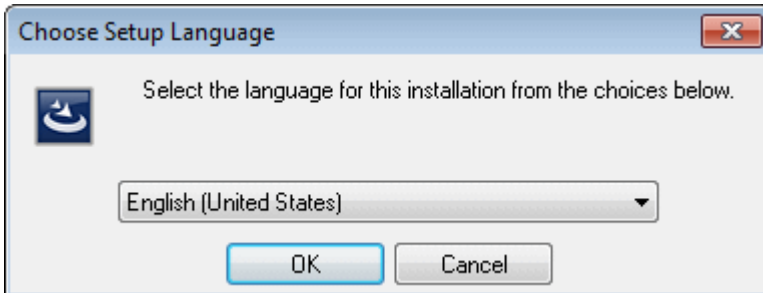
- **Target computers:** Windows 2000/XP/2003/Vista/2008/7/2008 R2 (no *Service pack* requirement)
- **Administration console:** Windows 2000/XP/2003/Vista/2008/7/2008 R2
The *Service pack 4* and *MDAC 2.6* are required for Windows 2000.
- **Remote execution requirements:** The account running *RemoteExec* needs administrative rights on *Target Computers* and *Microsoft file and printer sharing (SMB TCP 445)* and *ICMP (ping)* should be enabled. These protocols also need to be allowed in any firewall between the administration console and *Target Computers*.

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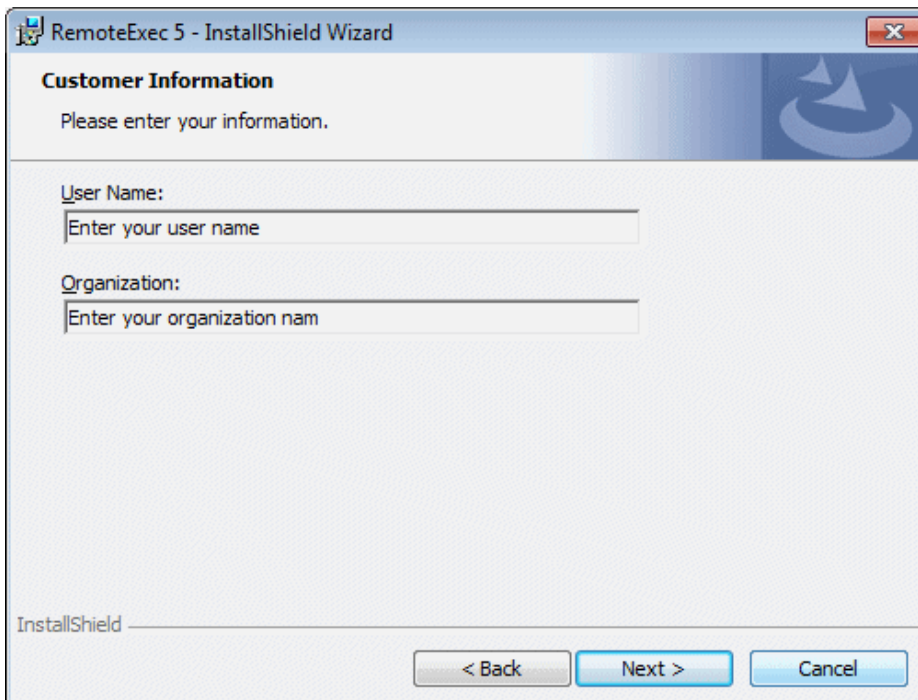
1.3. Installation

The installation package *RemoteExec_x86.exe* is available on [IS Decisions website](#). Just run this package to launch the installation wizard and follow the different steps.

1. Choose your language preference.

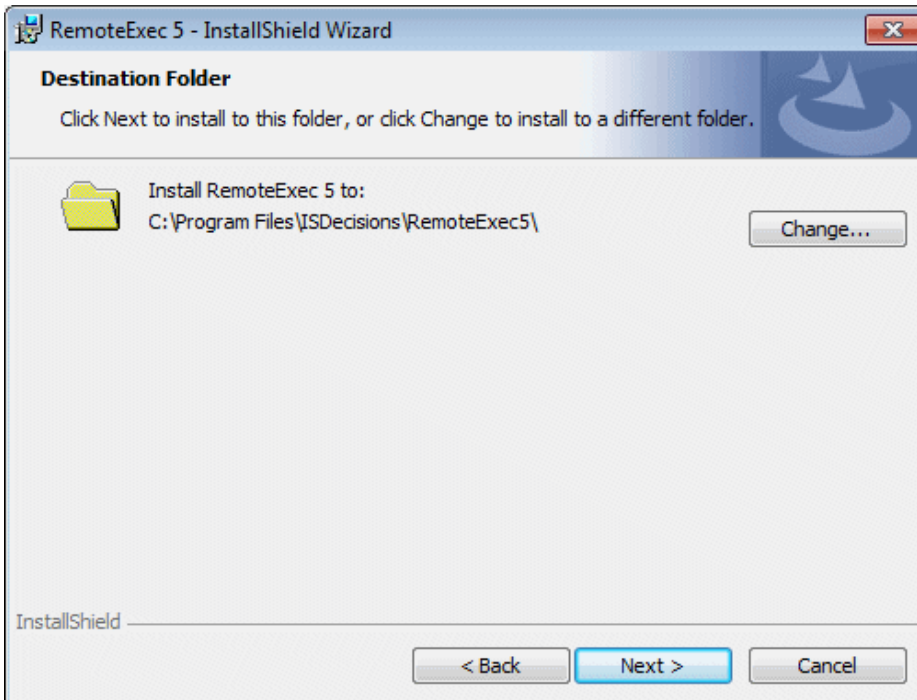


2. Click *Next* on the *Welcome* tab.
3. Accept the *License Agreement* after having read it.
4. Enter your user/customer information and click on *Next*.

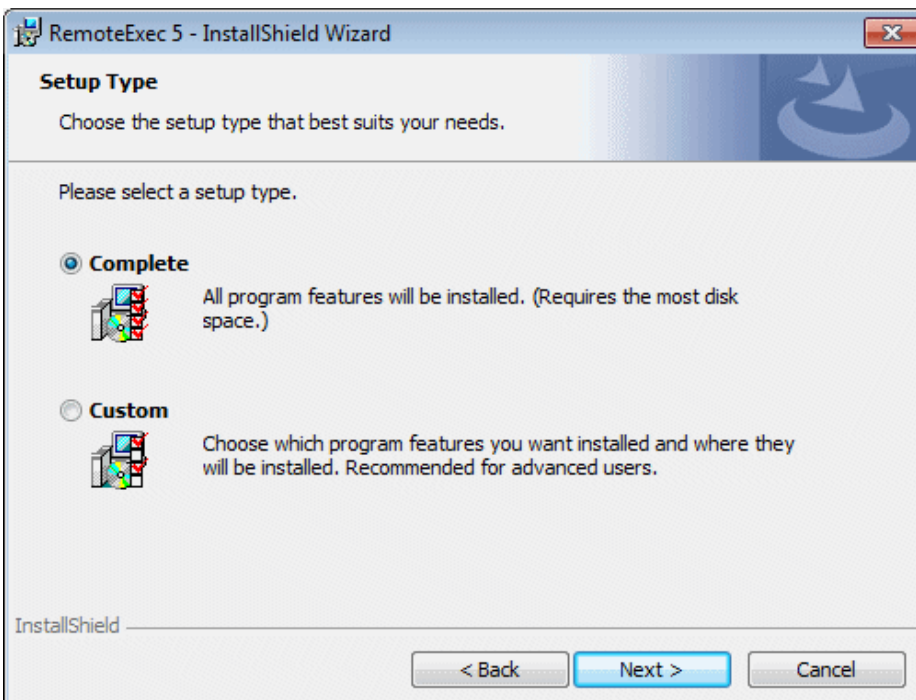


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5. Select the installation folder path and click on *Next*.



6. You can choose a *Complete (Program + Documentations)* or a *Custom* installation. Click on *Next*.



7. A last tab informs you *RemoteExec* is ready to be installed. Click on *Install* button.

8. *RemoteExec* is now installed and ready to run. Click on *Finish* to launch the *RemoteExec Console*.

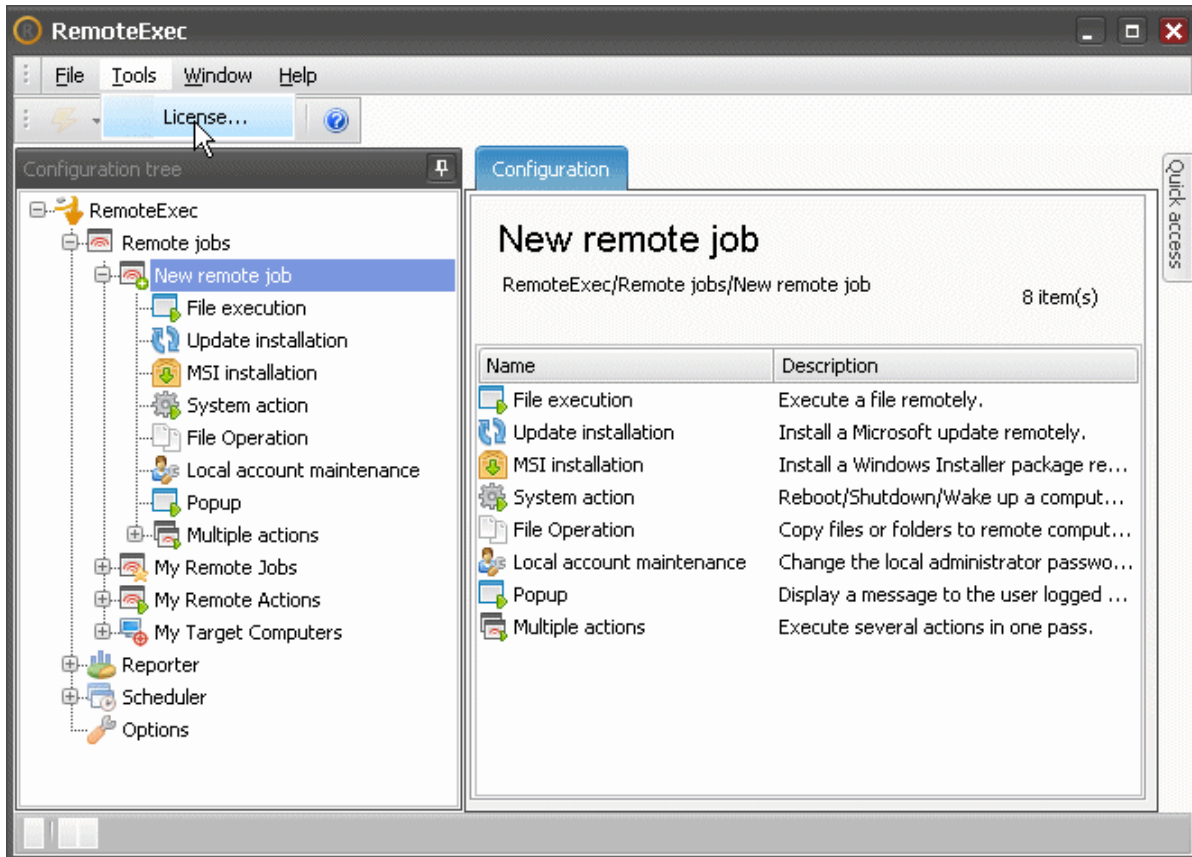
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1.4. License

You can evaluate *RemoteExec* during 15 days. During this period you can execute actions on at most 10 computers. If you need to evaluate *RemoteExec* on more computers you can [ask for an extended evaluation key](#).

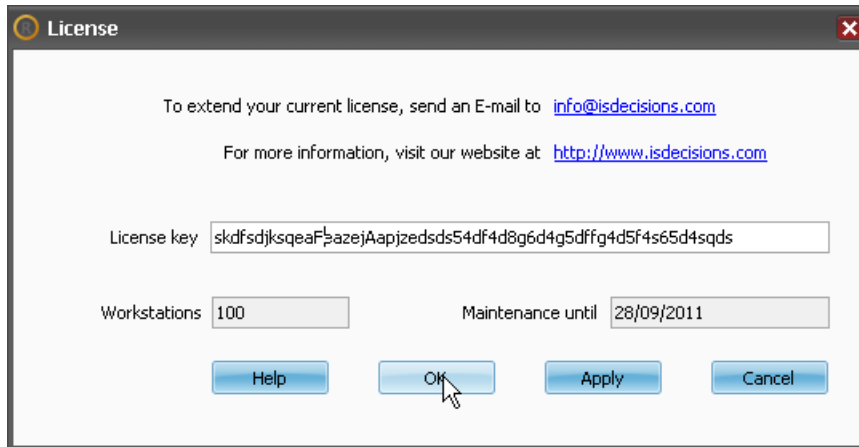
RemoteExec is licensed according the number of computers on which you want to execute remotely *Jobs*. You can buy it throughout our network of partners or [directly on our web site](#) if no partner is available in your country.

Once you got your license key you can use the *License...* item of the *RemoteExec Tools* menu.



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Then enter your license key in the register window and validate.



During the evaluation period, the software expiration date is displayed. When you register you license key, you should see the maintenance date expiration. Maintenance permits you to obtain all new version upgrades during his period validity and access to the [technical support](#).





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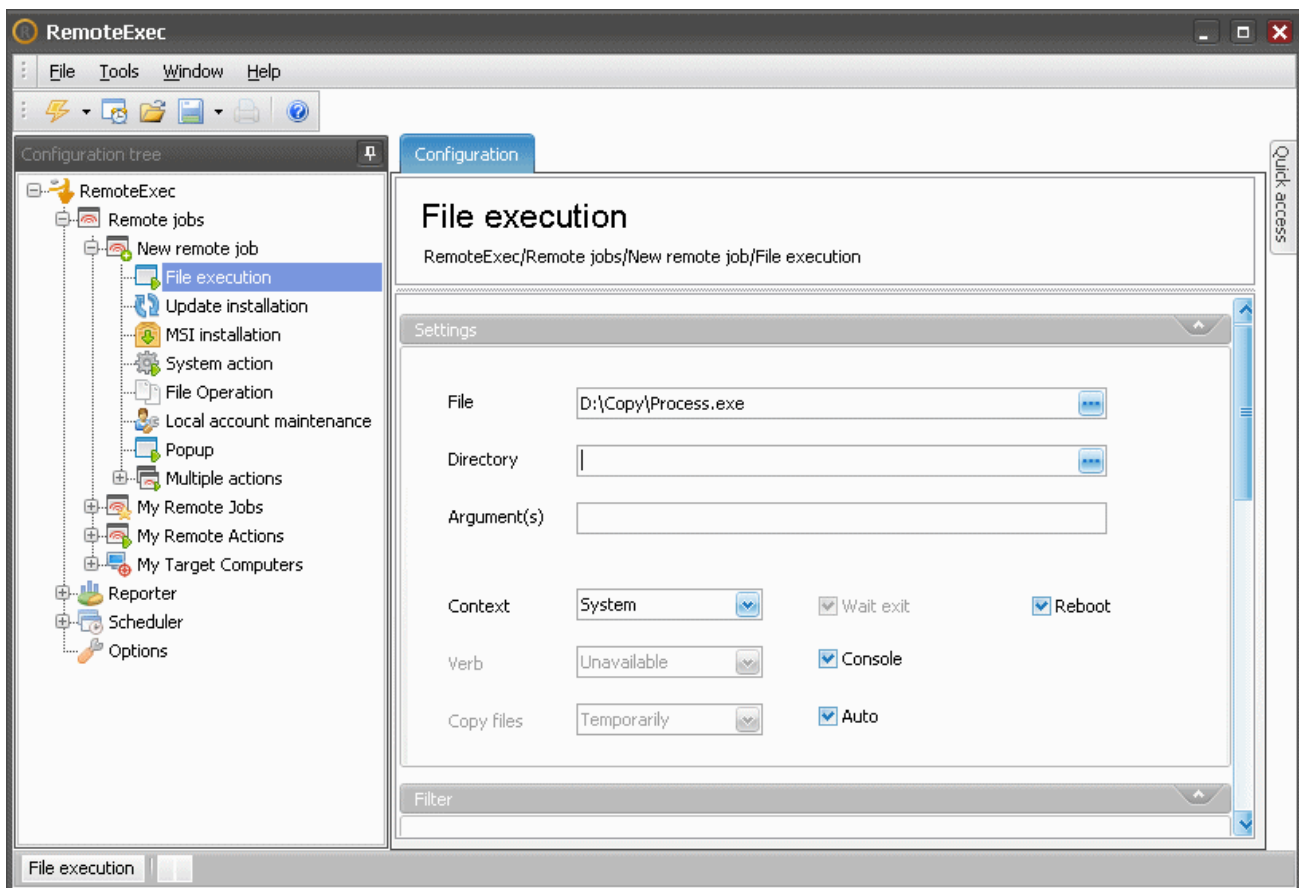
2. Reference

2.1. Gui

The principle of the *RemoteExec* user interface is to browse the *Configuration tree* until the desired node, configure available settings in the *Configuration* tab and then click on the *Launch* button to start the execution. A new tab is then opened in order to display the execution and finally the result. This applies to *Remote Jobs* as also to *Reports*.

Standard buttons in the toolbar:

-  **Launch:** This is the more important button allowing you to start the execution of the configured item (a *Remote Job* or a *Report*).
-  **Schedule:** This button will allow you to schedule a *Job* instead of executing it immediately.
-  **Open:** You can open a *Remote Job* or a *Report* configuration from the file system (*XML* file) to use it again.
-  **Save:** You can save on the file system a *Remote Job* or a *Report* configuration in a *XML* file. *Remote Jobs* can also be saved in favorite folders in order to be more easily accessible. The same button will have a different meaning. If you are in a tab that displays results (*Report* or *Grid*), it won't save the configuration but the result you see (e.g. a report in *.PDF* or a grid in *.XLS*).



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2.2. Key concepts

Some **key words** have a specific meaning in *RemoteExec*.

A **Remote Action**: what you want to execute on remote computers and how you want to execute it. Many times in the documentation we will just use the word action for *Remote Action*.

Target Computers: the list of all computers on which a *Remote Action* will be executed.

A **Remote Job**: a *Remote Action* plus the list of *Target Computers*.

A **Scheduled Job** can be a scheduled *Remote Job*, a scheduled *Report* or an E-mail *Notification*.

A **Scheduled Task** has the same meaning as for the *Windows Task Scheduler* and can contain several scheduled *Jobs* that will be executed sequentially at scheduled times. Many times in the documentation we will just use the word task for *Scheduled Task*.

It's important to understand that a **Task and a Job are not the same concept** and does not have the same meaning in a point of view of *RemoteExec*: a *Scheduled Task* can contain several *Jobs*.

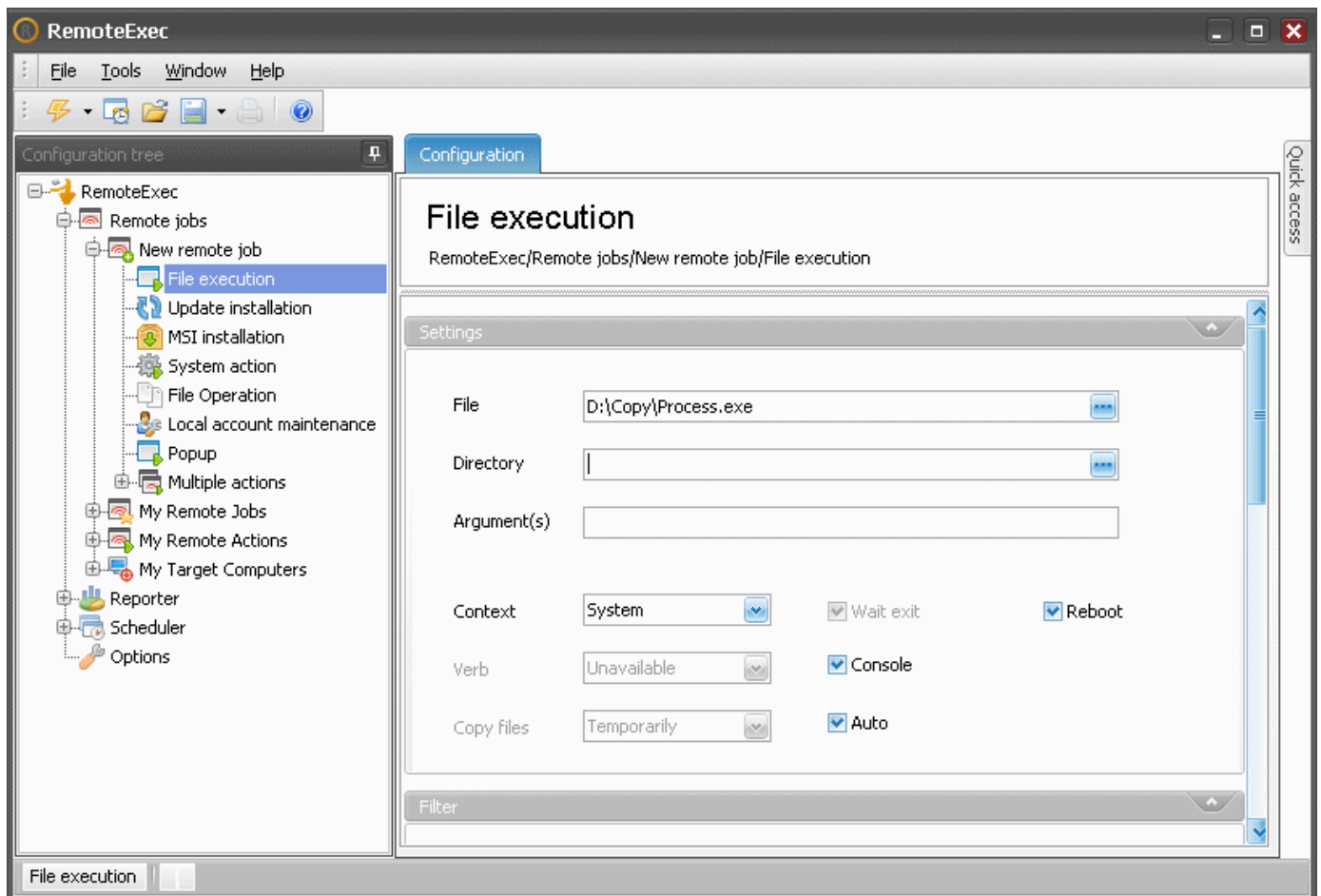
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2.3. Remote Jobs

When you want to create a *Remote Job*, just go to *Remote jobs/New remote job* in the *Configuration tree* and select the *Remote Action type* you want to execute.

The definition form of a *Remote Job* is composed by three configuration sections:

- The *Settings* section allows you to define specific settings to the type of *Remote Action*.
- The *Filter* section in order to execute the *Action* conditionally.
- The *Target Computers* section allows you to choose computers on which you want to execute the specified *Action*.



When the three sections are completed you can click on the *Launch* ⚡ button in the tool bar to start the *Action* on all selected computers. You will then see the execution progression with the *Progress Window*.

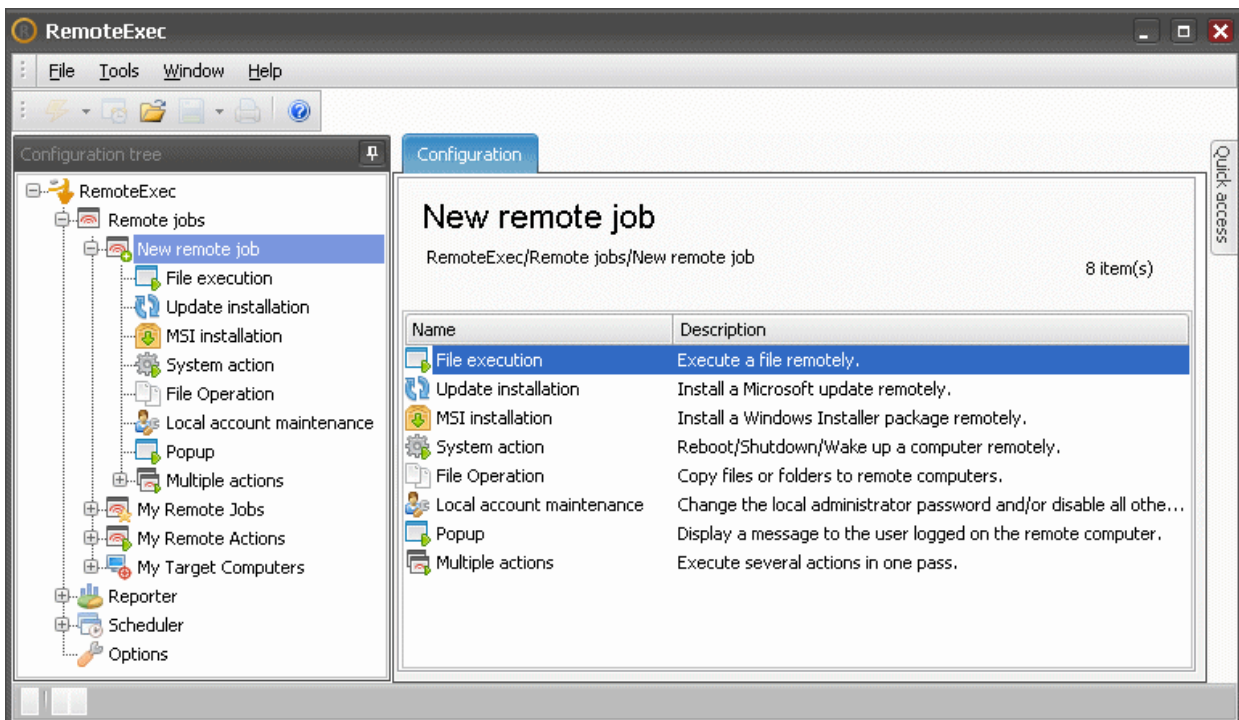
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2.3.1. Remote Action types

If you go to *Remote jobs\New remote job* in the *Configuration tree* you will find the list of all available types of *Remote Actions*:

- File execution: execute any executable file.
- Hotfix/Update installation: Deploy various *Microsoft updates*.
- Msi installation: Deploy *Windows Installer* package.
- System Action: *Shutdown, restart* or user *logoff*.
- File operation: Deploy or delete files and folders
- Local account maintenance: Change the local administrator password and optionally disable all other accounts.
- Popup: Display a message to users logged on *Target Computers*.

You can also select the *Multiple actions* mode if you want to execute several *Actions* in one pass.



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2.3.1.1. File execution

This is the most generic *Remote Action* allowing to remotely execute any executable file.

File: Path of the file to run.

The file can be a standard executable (e.g.: *.exe, *.bat, *.cmd, *.vbs, *.js) or any file associated to an executable (e.g.: *.txt, *.wav, *.reg, *.inf)

Directory: Working folder for the executable. **Warning!** If the *Copy files* option is checked the whole folder will be then copied on all *Target Computers*.

Argument(s): Arguments for the executable file.

Verb: Type of execution. For example a .txt file verb can be *Open* or *Print*. In most cases you must use the *Open* verb. In *Auto* mode a verb is automatically selected for optimal remote execution.

Auto: When you check this, the best options are automatically selected for optimal remote execution for most known file types according to some optimization rules.

Context: You can execute your remote process under five security *contexts*.

- *Interactive:* When you select this, the file is executed using the environment of the user currently logged on the remote computer. The user can see the execution and interact with the program. The execution will fail if no user is logged on the remote computer.
- *Administrative:* The process is started under the account running *RemoteExec* (your account) but with downgraded rights. The running process will then have no right on the network (i.e.: no access to remote shared folders). Nothing will be displayed on the remote machine screen. This option is automatically selected as needed in *Auto* mode.
- *Full administrative:* The process is started under your current account with full rights. You need to enter your password. Using this execution context is slower than the *Administrative* context but very useful for deployment tasks of package located on shares.
- *System:* The remote process is started with the *localsystem* account.
- *Interactive system:* Same as previous but in addition the process has access to the user desktop. You can use this mode to start an installation package without any silent installation mode available and so permit a user without administration rights on its computer to complete the installation wizard.

Warning! This execution context can be considered as a security leak as the logged on user has temporary administrative rights on the computer. Use it only if there is no other way.

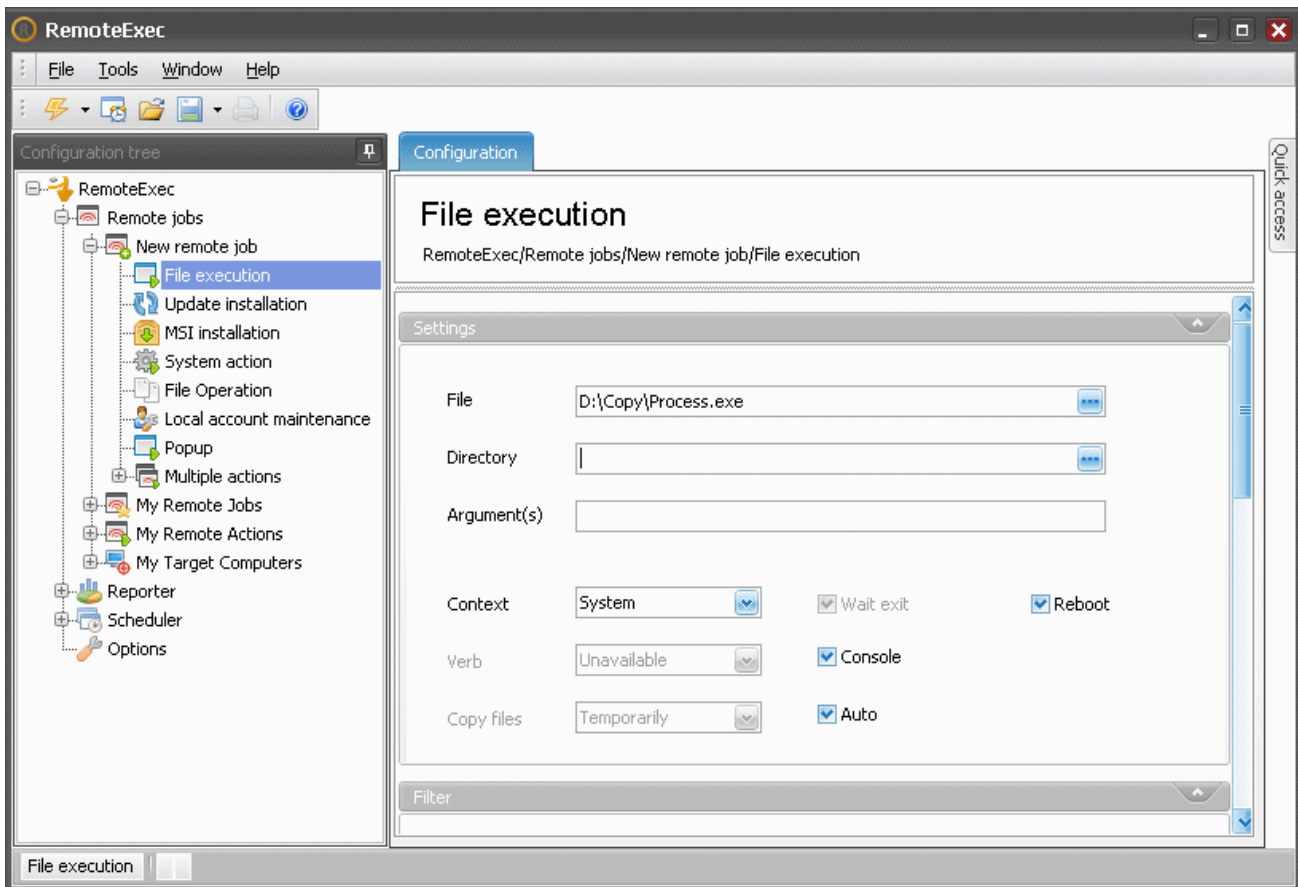
Wait exit: *RemoteExec* will wait for the launched process to be exited before completing the *RemoteExec* operation. You can kill any hanged process in the *Progress Window* by clicking on the *Kill* button. This option is automatically selected as needed in *Auto* mode.

Console: Check this box if you want to see locally the command line console in order to view the execution of the program (only for console programs and scripts). You can event interact remotely with the program like a telnet. The output of the console is automatically saved in the database.

Warning! Graphic applications cannot be launched with this option.

Copy files:

- *No*: To use when the file is on a share or when the file is already available at the same location on the remote computer.
- *Temporary*: The files and the working folder are copied in a temporary folder on the remote computer (c:\winnt\temp\{GUID}). The *Wait exit* option has to be selected in order to automatically delete this folder after the process exited. This option is automatically selected as needed in *Auto* mode.
- *Permanently*: The files and the working folder are copied permanently on the remote computer (in the same location as specified in the *Action* path).



For additional information, please contact IS Decisions at one of the following:

2.3.1.2. Update installation

With this predefined *Action* you can easily deploy the most common *Microsoft updates* by specifying the path to the package or install program. *RemoteExec* will then try to find out the type of *update* and automatically configures the arguments to launch the installation silently.

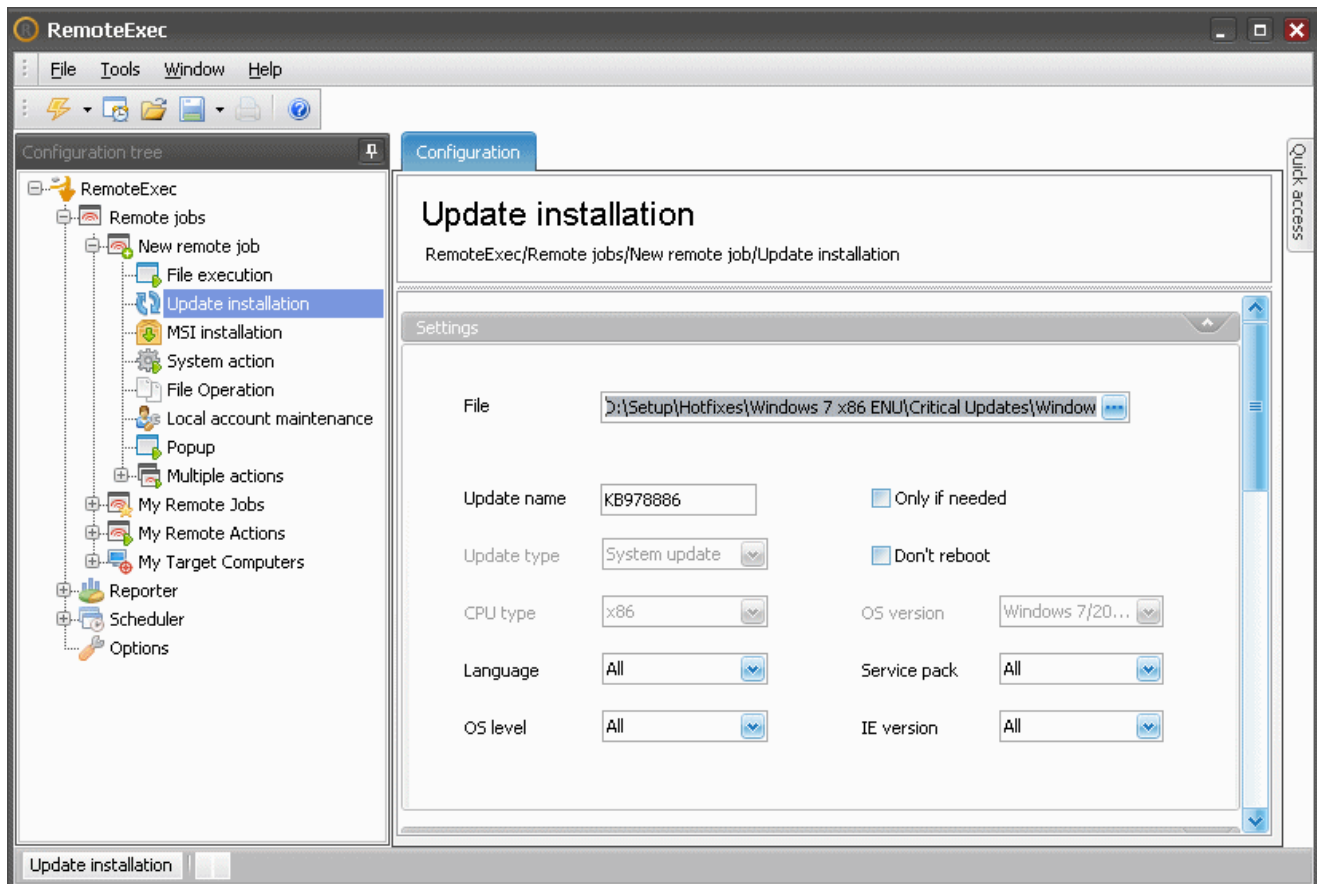
For system *hotfixes* *RemoteExec* will try to find out the name, the target *Operating System* and the *Service pack* number (by parsing the package name). The information will be used if the *Only if needed* option is selected to install the *hotfix* only on computers needing it.

List of supported updates

System update, Internet Explorer update, .NET update, MDAC/MSXML update, DirectX update, MediaPlayer update, SQL Server update, Java Virtual Machine, MS Office update, .NET framework, MDAC, Windows Installer, Windows update agent, Jet 4 engine.

Other *Microsoft updates* should work even if we haven't tested them. If you find examples that do not work, we invite you to [send them to us](#) and we will try to support them.

If a *hotfix* is not identified, *RemoteExec* will display *Unidentified hotfix* as update type. In this case the silent installation is not guarantee. If the executable is even not detected as a *hotfix* *RemoteExec* will display *Unknown* name and you will probably need to find by yourself the needed silent switches and use the *File execution Action* to deploy the *update*.



For additional information, please contact IS Decisions at one of the following:

2.3.1.3. MSI installation

Using this predefined *Action* you will be able to easily deploy a *Windows Installer package* by specifying his path from a share and select *Install* as *Operation*. Additionally the installation can be customized with a *transform file*.

The application can even be *Uninstalled*, *Repaired* or *Updated*.

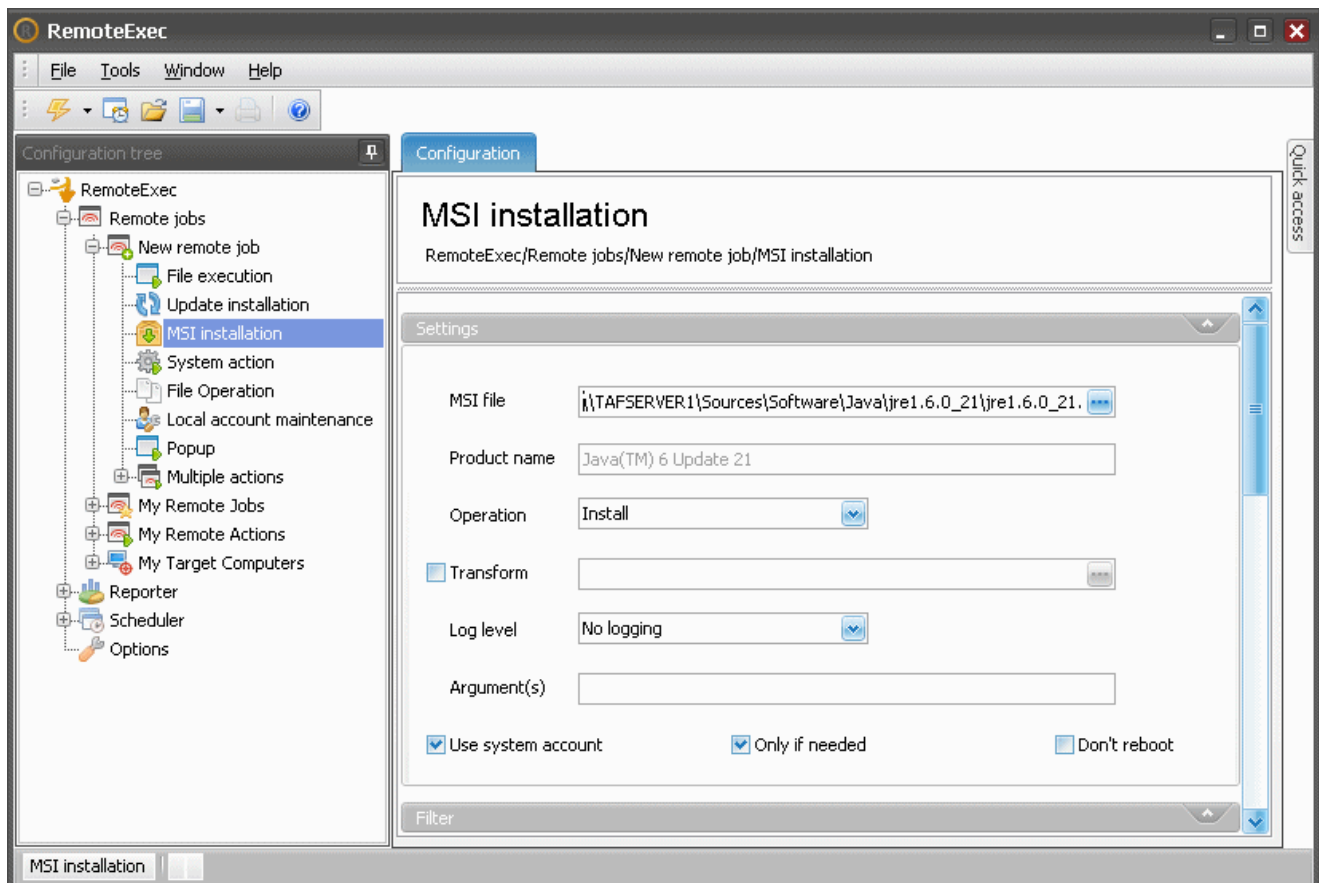
If you select *Only if needed* *RemoteExec* will not try to install the *Msi package* on computers with the package already installed. Contrariwise a *Repair*, *Uninstall* or *Update* operation will only be started on computers with the package already installed.

If you select *Don't reboot*, *Target Computers* will not be rebooted even if needed after the installation. Use this option if you want to start several *Msi* installations in one pass using the *Multiple Actions* mode or rather want to schedule a reboot overnight.

You can choose a log level. For each computer the install operations will be logged on the remote log share (Only if already defined in the *RemoteExec Options*).

The name of this log file is formatted as follow: `msi-%ComputerName%.txt`

Optionally advanced users can specify additional *Msi Argument(s)*. These arguments can be standard *msiexec.exe* switches or properties specifically to a package (`PROPERTY=Value`).



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2.3.1.4. System action

Seven *System Actions* are available:

- **Shutdown**

Using this *System Action*, all *Target Computers* will be physically powered off after having stopped correctly the operating system.

- **Reboot**

Shutdown and restart all *Target Computers*.

- **Logoff session**

Close the user session on all *Target Computers* if a user is logged in.

- **Lock session**

This *System Action* locks remote computers if a user is logged in.

- **Wake up**

This *System Action* allows you to wake up remote computers using the *Wake-On-Lan* technology. The *MAC address* and the *subnet* of all remote computers to wake up should have been scanned first. *RemoteExec* automatically scans for *MAC addresses* and *subnets* at each start-up. You can launch or schedule the scan of *MAC addresses* during working hours with the *Get wake up info Action* (see after). You can also check all already scanned *MAC addresses* or add manually *MAC addresses* and *subnets* in the *RemoteExec Options*.

RemoteExec can only automatically scan *MAC addresses* for *Windows* computers with the *NetBIOS* protocol enabled. If you want to wake up other computers you should add their *MAC addresses* and *subnet* manually.

By default the *Wake-On-Lan* is disabled in the *BIOS* of each computer. You should enable this option located in power settings: *Resume on PME* or *Wake on PCI PME*, depending on the *BIOS* manufacturer.

If you try to wake up computers in another *subnet*, *directed broadcasts* need to be allowed on all routers between both *subnets* for *UDP* packets using the *port 7*.

- **Abort System Action**

If needed, you can abort any *Reboot*, *Shutdown*, or *Logoff* during the notification period.

- **Get wake up info**

Allows you to retrieve the *MAC address* and the *subnet* of target computers in order to be able to use the wake up feature later for these machines.

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Force applications to close

Selecting this option exits all applications and closes all currently opened documents in the user session without saving possibilities. If you don't select this option, an unsaved document can block the user logoff as the computer shutdown.

Reboot only if needed

This option is available when a *Reboot Action* is selected. *RemoteExec* will check on each computer if file updates are scheduled on the next computer restart and will execute it only in this case.

Execution mode

Immediate execution

The *System Action* is immediately executed.

Immediate execution if possible, notify otherwise

The *System Action* is immediately executed on workstations without logged on user.

The notification is displayed first :

- on workstation with a user logged on.
- on servers.

Always notify before executing

The notification is always displayed before starting the execution.

Notify mode

Execute after notifying during

The *System Action* execution will start only after displaying the notification during the specified number of minutes. The user can hide this notification but it will pop again after a while.

Indefinitely notify each

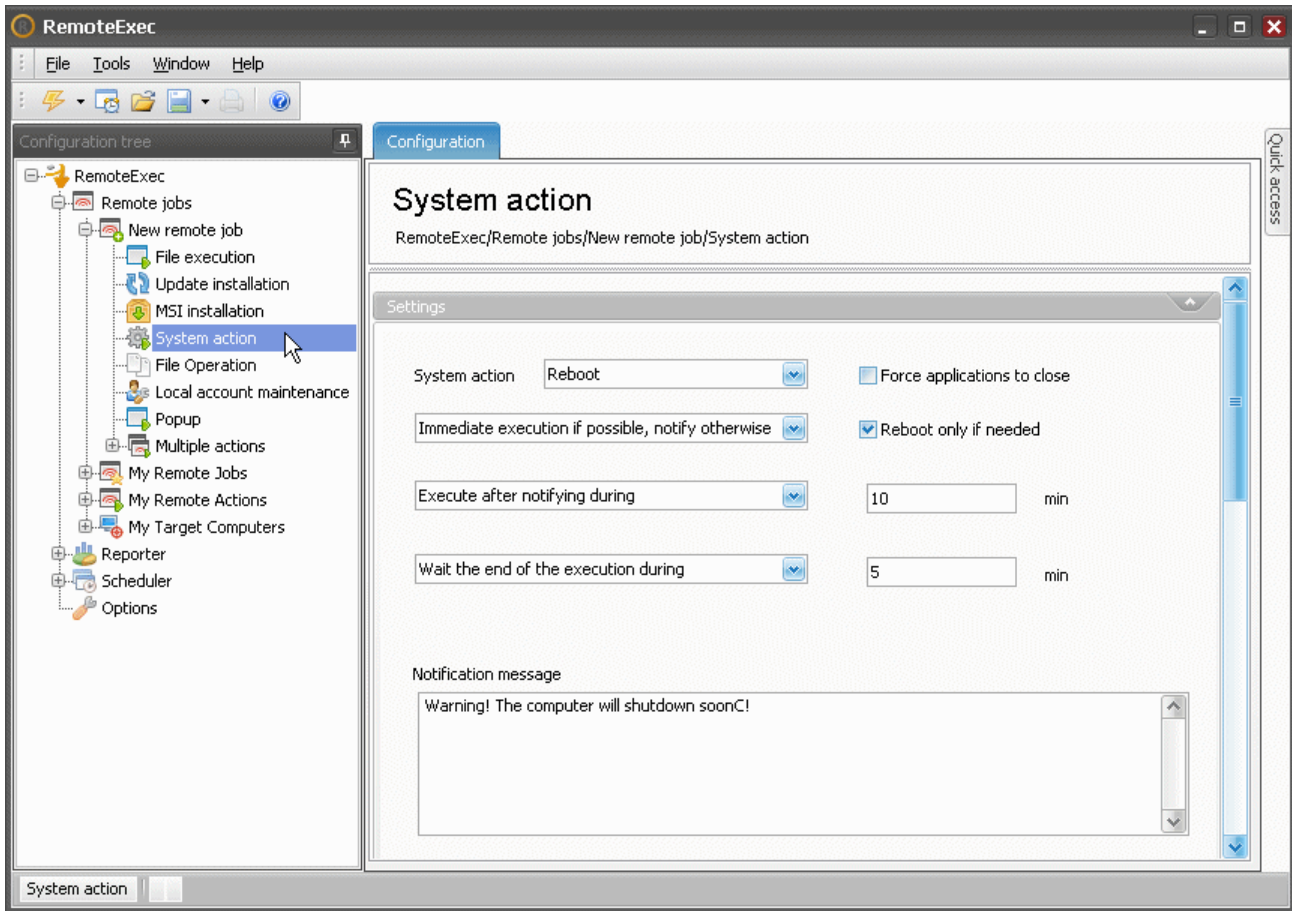
The notification is displayed indefinitely and ends only when the user initiate the *System Action* by himself. If the user hides the notification, it will pop again after the specified number of minutes chosen.

Wait the end of the execution during / Don't wait the end of the execution

If needed, *RemoteExec* can wait the end of the *System Action* execution during a specified time. This feature is useful if you need to wake up first a computer before executing *Jobs (Multiple actions mode)*. *RemoteExec* will first wait that the computers answer to a *ping* before trying to execute remaining *Actions*. This feature is also useful if a reboot is needed between two *Actions*: *RemoteExec* can wait the end of a reboot before trying to execute the next *Action*.

Notification message

You can customize here the *Notification message* displayed to users on the remote computer.



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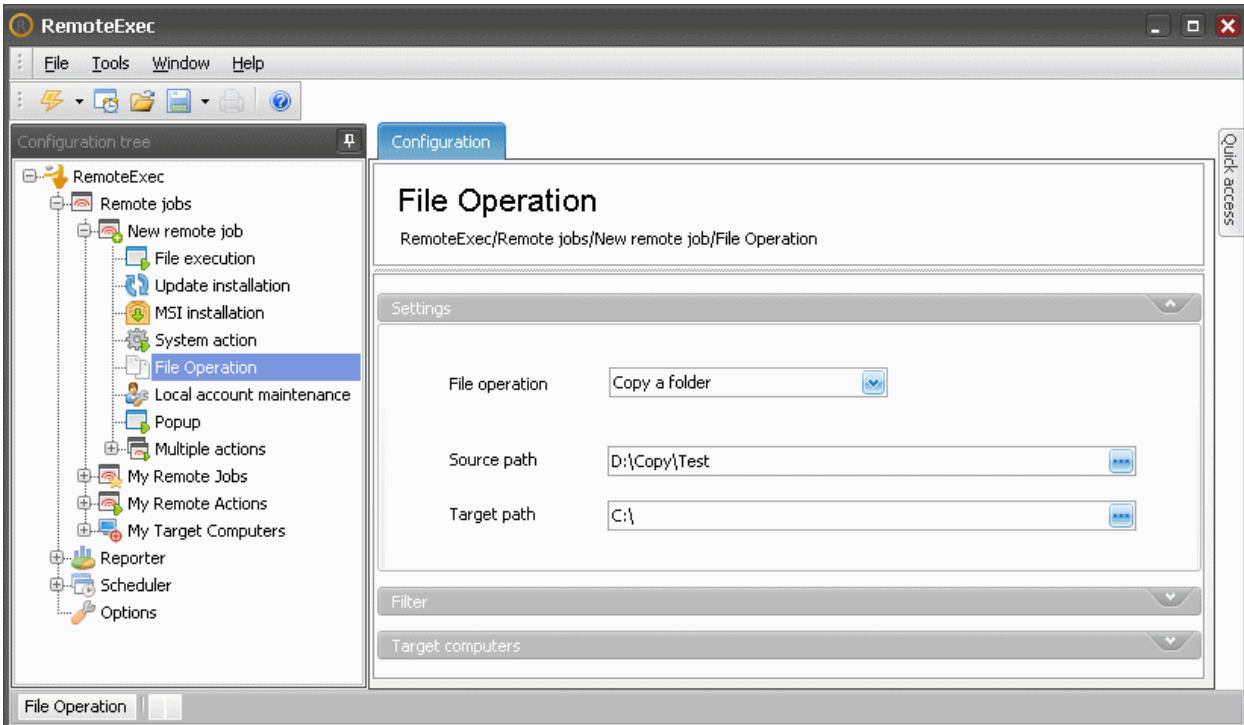
 **info@isdecisions.com**
Email

2.3.1.5. File operation

Using this predefined *Action* you will be able to deploy a file or the content of a whole folder on many computers. You will also be able to delete a specified file or folder on *Target Computers*.

The following path variables can be used for the target path: %SystemRoot%, %Windir%, %SystemDrive%, %ProgramFiles%, %CommonFiles%

In deployment case, the *Target path* is the folder where the source file or the content of the source folder will be copied. If the *Target Path* doesn't exist all needed folders will be created.

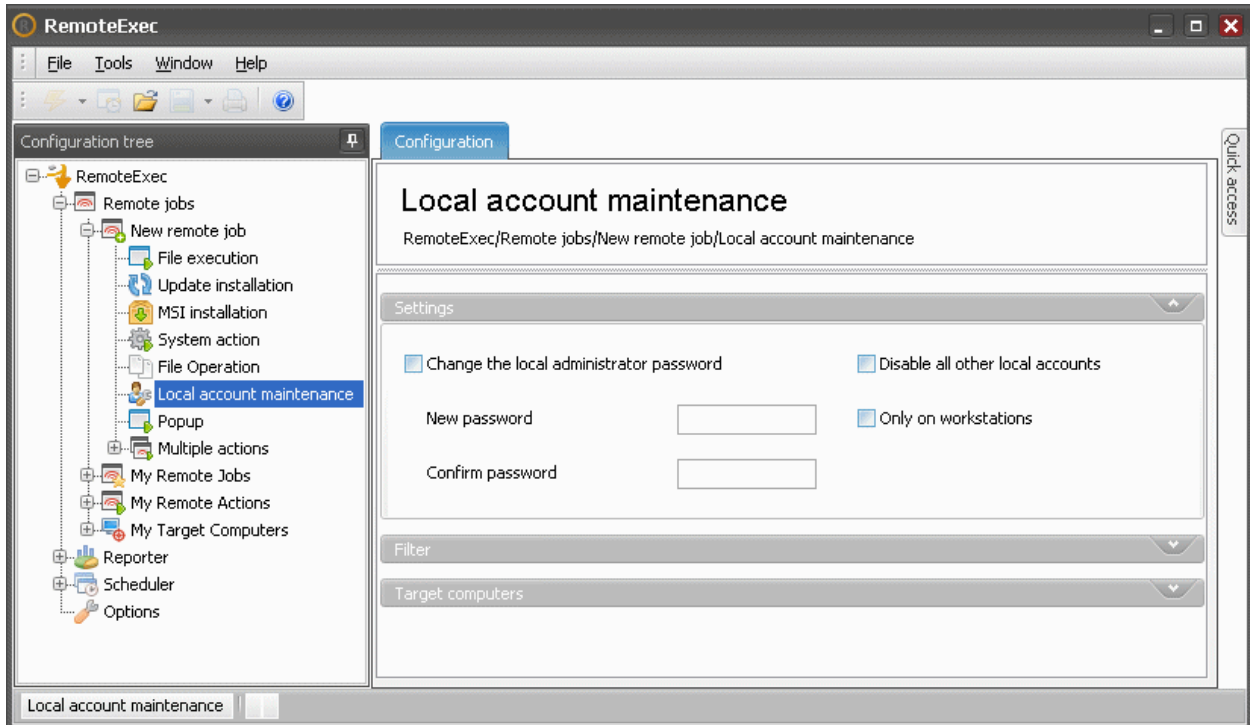


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2.3.1.6. Local account maintenance

Use this *Action* if you need to replace the local administrator password on many computers. You can also disable all other local accounts (<> administrator).

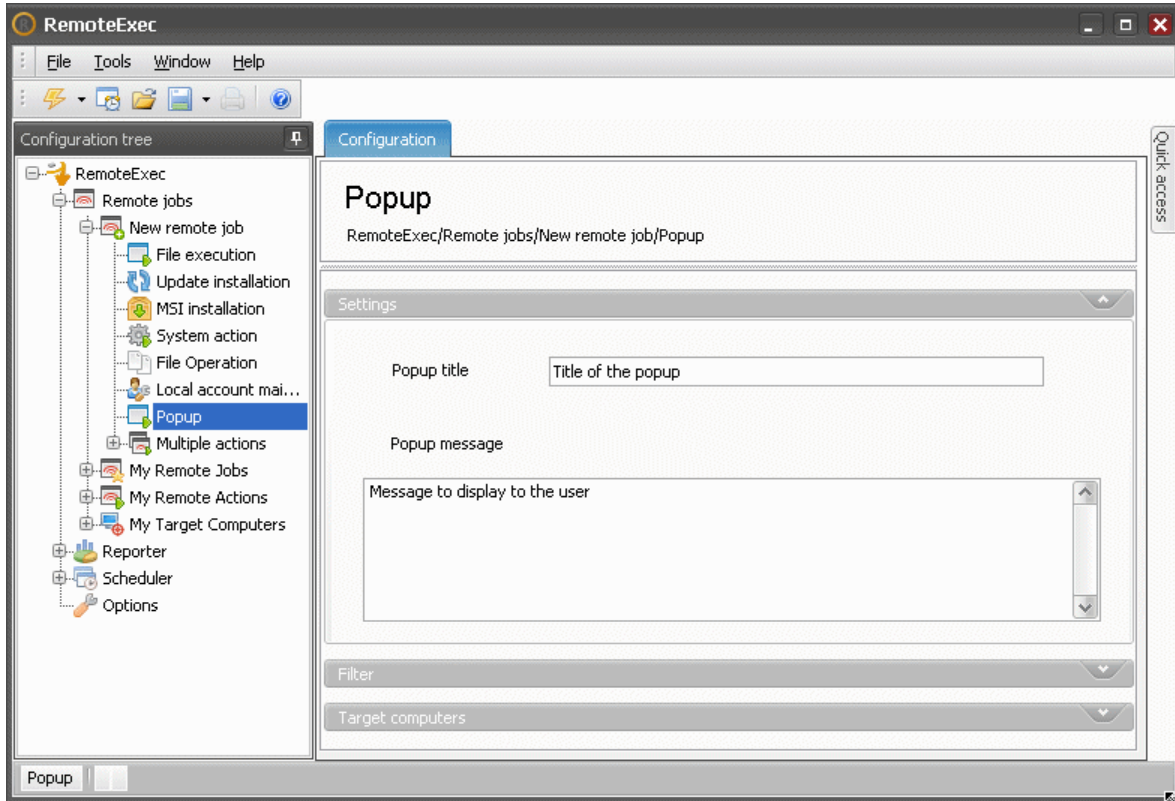
The detection of the local administrator account is done using the *RID* (=500). In consequence, if the name of the administrator has been changed this operation will still work.



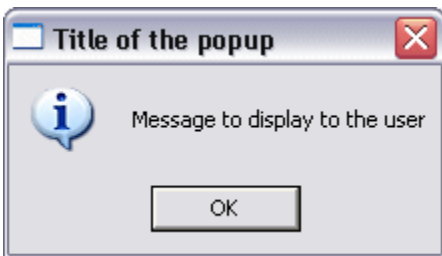
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2.3.1.7. Popup

The *Popup Action* allows you to display a message to users logged on *Target Computers*. You can define a title and the text to display.



Popup displayed to users:



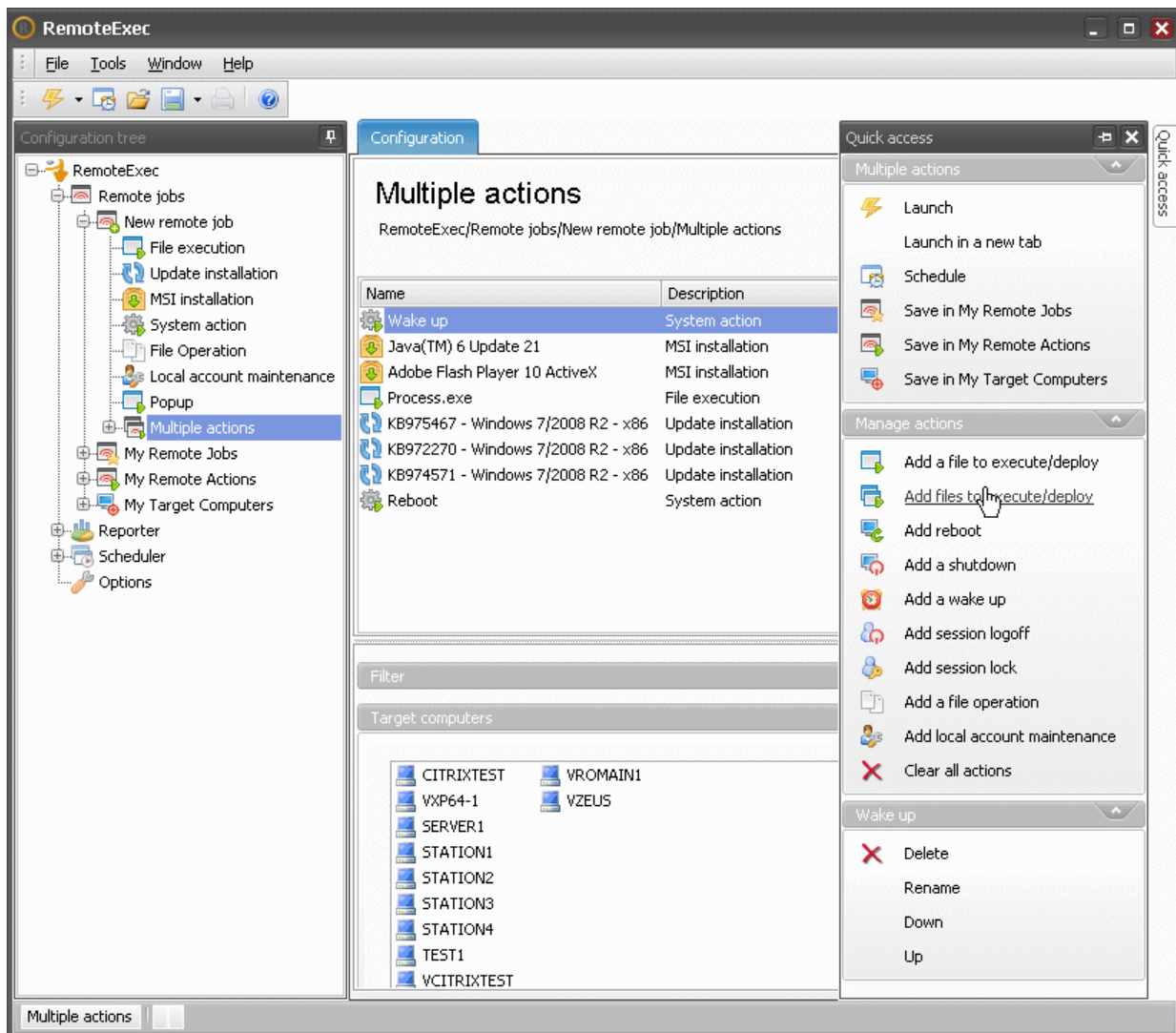
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2.3.1.8. Multiple actions

Using this mode permits you to add several *Actions* in order to execute them in one pass. You can use the *Quick access* panel to *add/delete/rename Actions* and also change their execution order. The *Add file to execute/deploy* link allows you to add any *Remote Action* based on a *File execution (File execution, Update installation, MSI installation)*.



You can also add many files to execute at a time with the link *Add files to execute/deploy*. Doing so will determined automatically the *Action* type for each file. All other types of *Actions* can be added directly with a specific link. With the *Multiple Actions* mode you can configure two levels of *Filter*. One for the whole execution and a second independently on each *Action*.

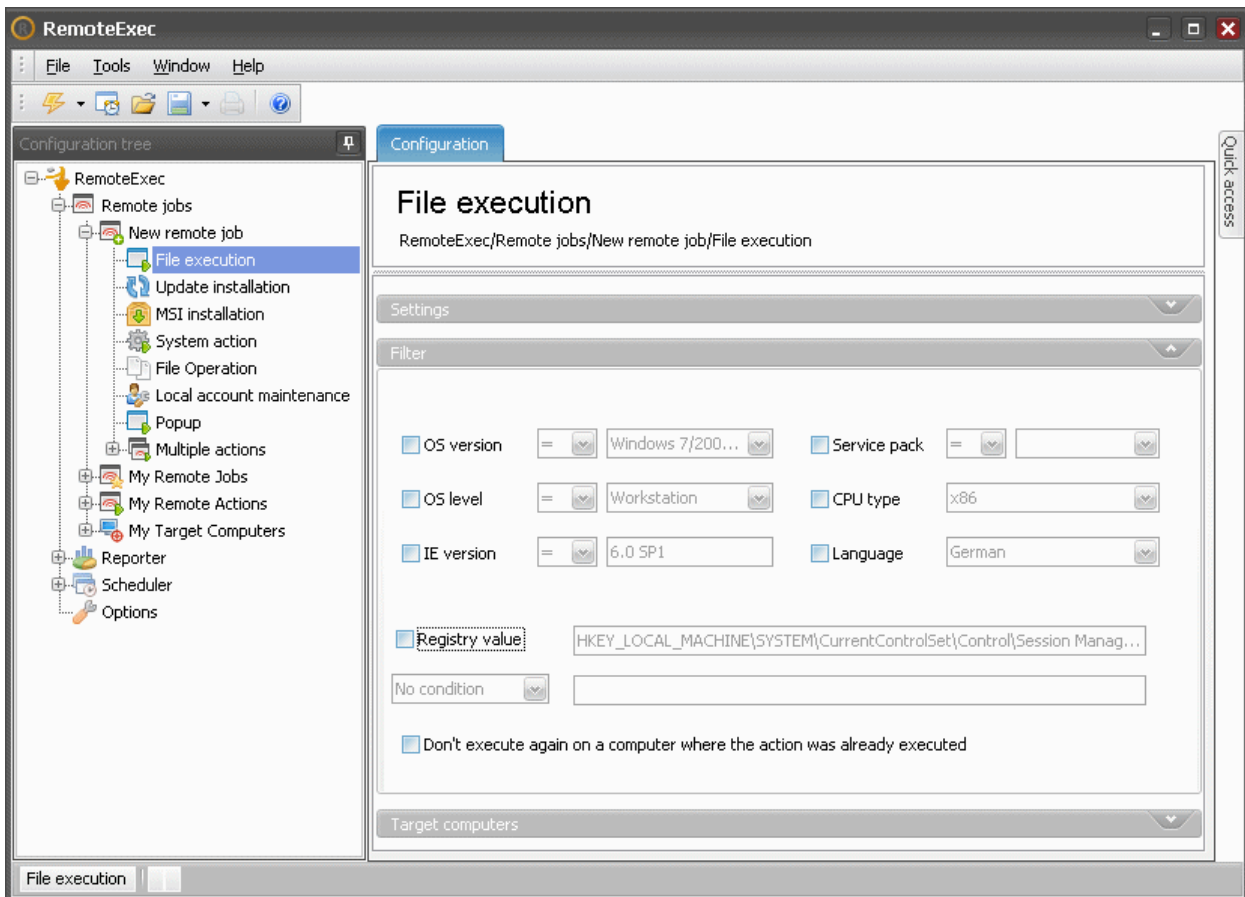


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2.3.2. Define the filter

In *RemoteExec* a mini scanner is integrated to allow conditional executions.

The condition can be based on the *OS version*, the *OS level (Workstation/Server)*, the *Internet Explorer version*, the *Services Pack number*, a customizable value/key of the *Registry*, the operating system *processor architecture (x86, x64, ia64)* and the operating system *language* .



The comparison operator can be:

- Equal
- Not equal
- Greater
- Lower
- Greater or equal
- Lower or equal

For the customizable *Registry value/key* four additional operators can be chosen:

- Exists
- Doesn't exist
- Contains
- Doesn't contain

With some *Actions (Hotfix/update installation, Reboot, Msi installation)* the *Filter* is automatically controlled to only execute the *Action* on computers on which the execution is needed.

For additional information, please contact IS Decisions at one of the following:

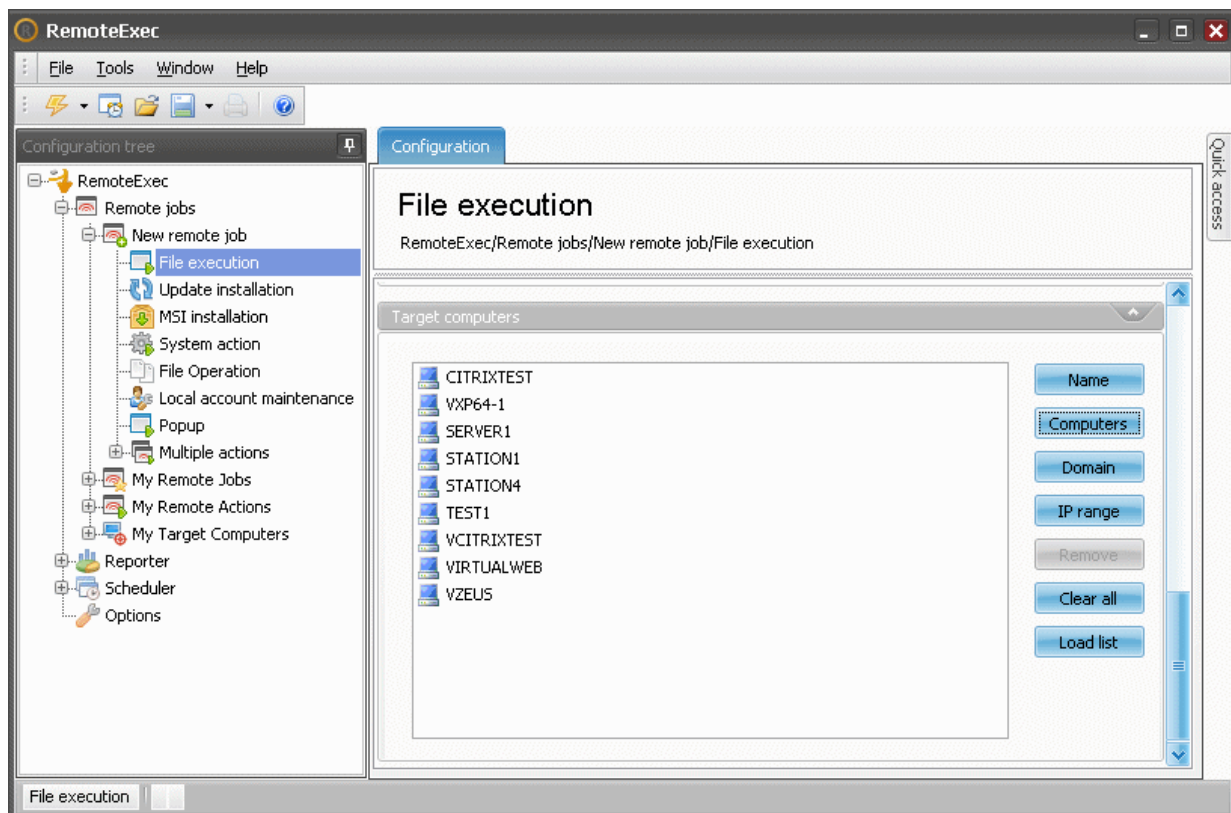
2.3.3. Target Computers

2.3.3.1. Select target computers

Here you can enter the list of computers on which you want to run the previously defined *Action*.

- You can add manually a computer name by clicking on the *Add* button or double clicking on the list.
- You can add computers from the *Browser*.
- You can edit a computer name by clicking on the *Edit* button or double clicking on the computer item.
- You can remove the selected computers from the list by clicking on the *Remove* button or the *Delete* key.

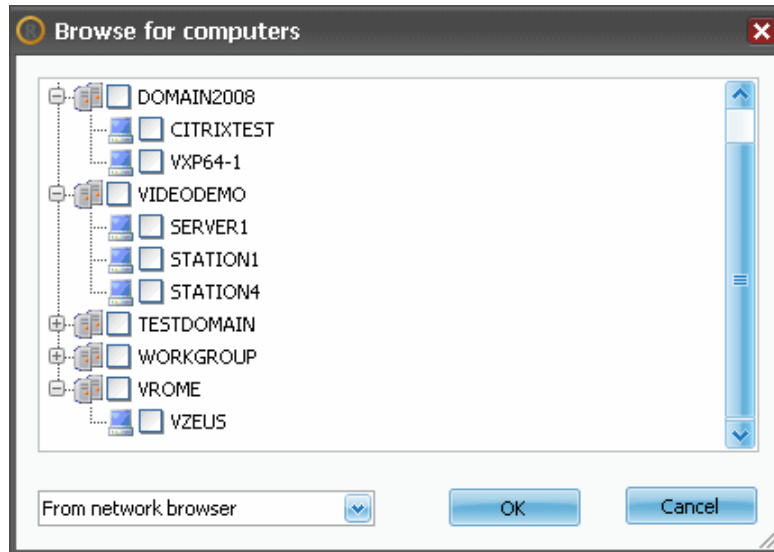
To load a list of computers you can use the *Load list* button. The file should be a text file with one computer name per line.



For additional information, please contact IS Decisions at one of the following:

2.3.3.2. Computer Browser

You can easily select all computers of a *Domain* by checking them in the *Computer Browser*. Then if you want, you can secondly uncheck non-needed computers.




Computers can be retrieved from:

- *From Microsoft network browser.* In this case only online computers are available for selection.
- *From Domain controller.* In this case the list is based on the computers account in each *Windows Domain*. So you will even see unavailable computers.
- *From the Global catalog.* All computers stored in *Active Directory* are listed with their tree. *RemoteExec* retrieves the list of computers just when he starts. If the scan is not already complete when the browser dialog is displayed, you will see *Currently searching* in the windows title.

For additional information, please contact IS Decisions at one of the following:

2.3.4. Execution

Once a *Job* has been configured, you can start the execution with the *Launch* button  in the tool bar.

A *Progress Windows* is then opened in a new tab and you can follow the remote execution on the *Target Computers*.

Once all the executions are finished, the *Progress Windows* becomes a *Result Windows*, displaying the status of each remote execution requested on *Target Computers*. You will see all success, failure, warning or information generated during the remote execution.

Logs are available to have more details regarding the different messages displayed in order to understand the *Common errors & status* causes.

We invite you to read the *Remote execution requirements*.

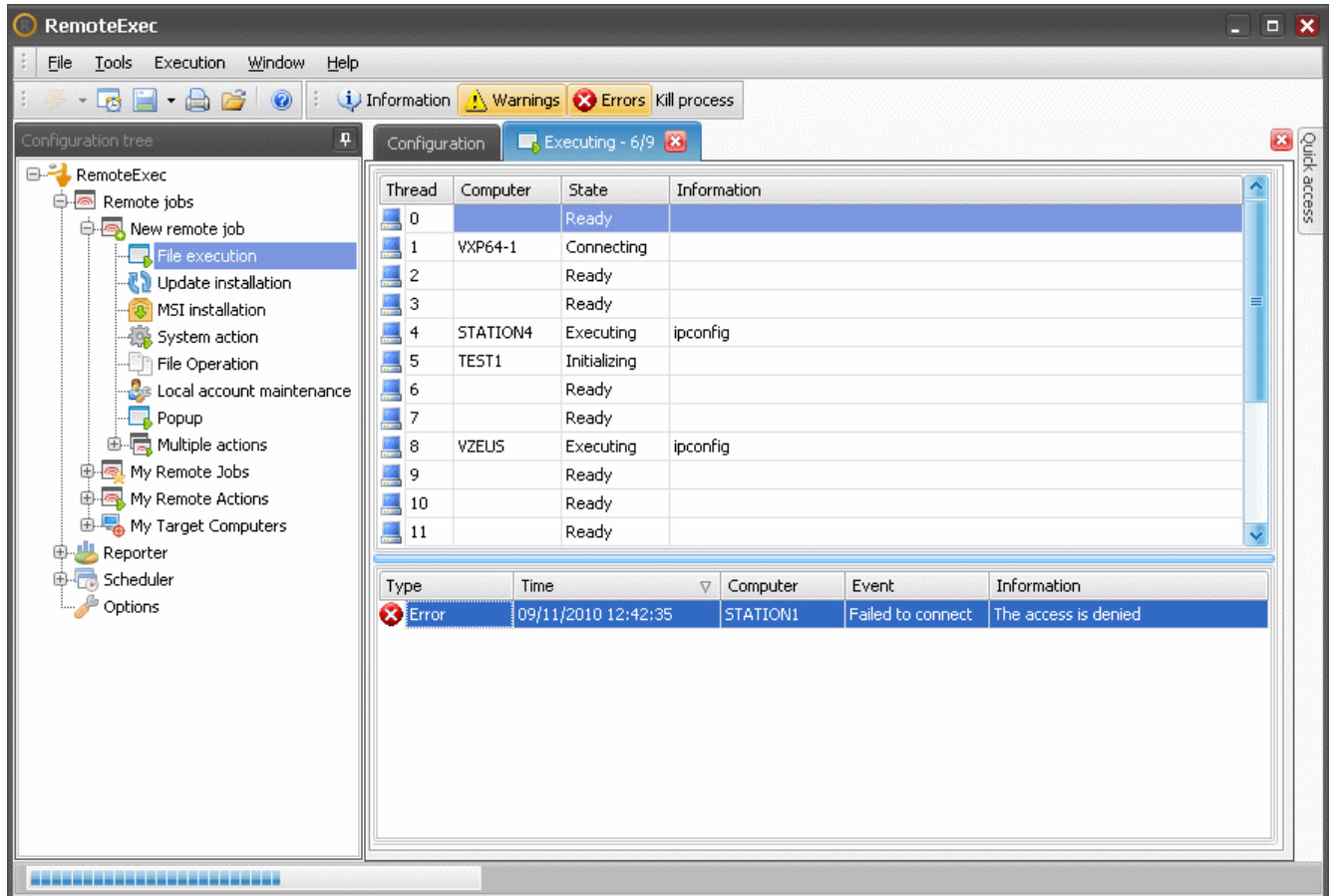
For additional information, please contact IS Decisions at one of the following:

2.3.4.1. The Progress Window

During the execution you can track the current status of your executable file on all computers using the *Progress Window*.

The upper part of the *Progress Window* shows the remote execution threads. In the lower part result events are displayed once an execution is done on a computer. By default only *Error* and *Warning* events are displayed but you can change this in the tool bar.

You can kill any remote program on any computer at any time by selecting concerned execution thread and clicking on the *Kill Process* button.



If the execution failed on some computers the window will remain open but the upper part will disappear. You can take a look at all error and warning events to understand why the *Remote Action* was not successful executed on some *Target Computers*. See the *Result Window* for more information.

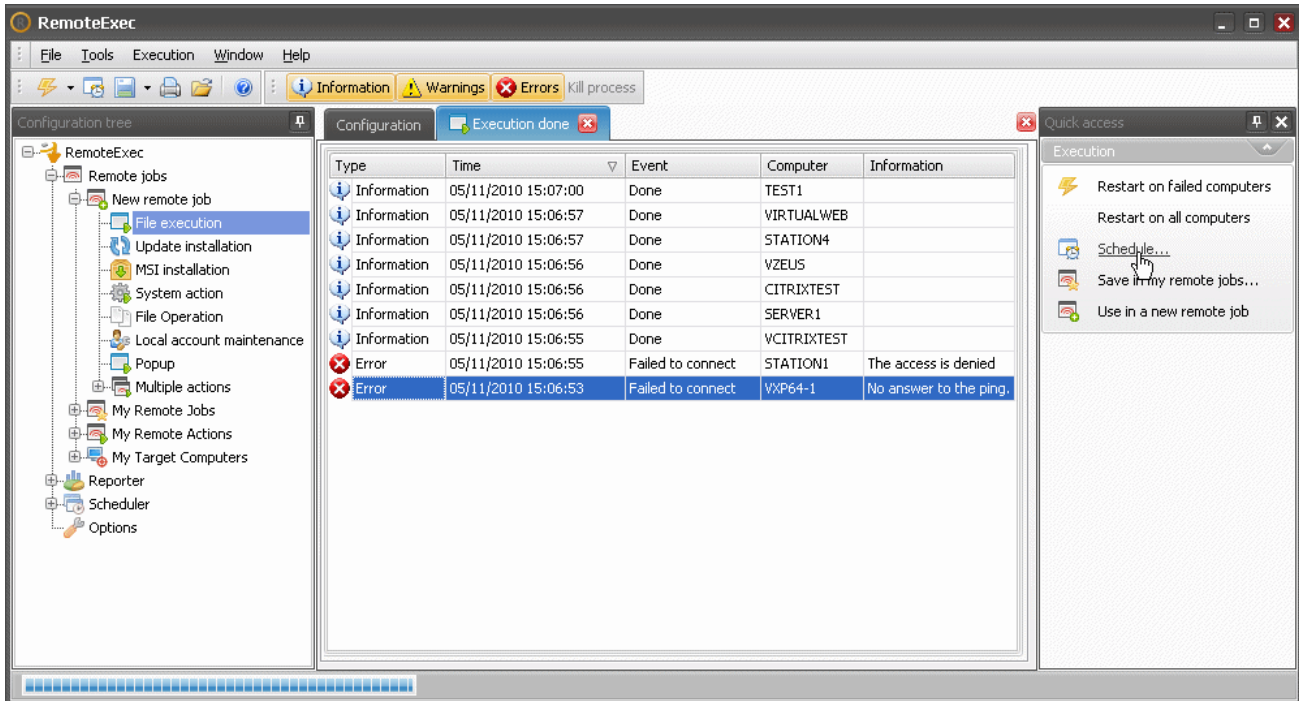
If the execution was successfully done on all computers the *Progress Window* is automatically closed but you can display the *Result Window* through the *Execution report*.

For additional information, please contact IS Decisions at one of the following:

2.3.4.2. Result Window

The *Result Window* is a *Progress Window* modified when all remote executions are done. The *Result Window* is kept opened when the execution failed on some computers. If needed, you can display it again later through the *Execution result report*.

For more information about all displayed error codes, we invite you to read the page about *common errors & status*.



With the *Quick access* panel you can:

- Restart the *Remote Job* for all computers (*Restart on all computers*) or only on computers for which the execution failed (*Restart on failed computers*)
- Schedule the *Remote Job* in order to restart it again later on computers for which the execution failed. For example if you want to schedule several new attempts for unavailable computers.
- Save the *Remote Job* in your favorites (*Save in My Remote Jobs*).
- Reload the *Remote Job* in a *New Remote Job* (*Use in a New Remote Job*).

For additional information, please contact IS Decisions at one of the following:

2.3.4.3. Execution logs

Execution logs are saved in a database and you can display the result of previous executions with the *Execution results* report.

If needed, you can change the database in the *Options*.

The remote log share

If a log share is specified in the *Options*, *RemoteExec* will create for each execution a new folder in which all remote processes can save their own logs. The name of the execution folder is formatted with the following template "YYYY-MM-DD_hh-mm-ss.sss" (execution time). In each remote process the *%RemoteLogShare%* environment variable is created so a script will easily create file in this folder using the name of the computer to avoid conflict between all remote processes.

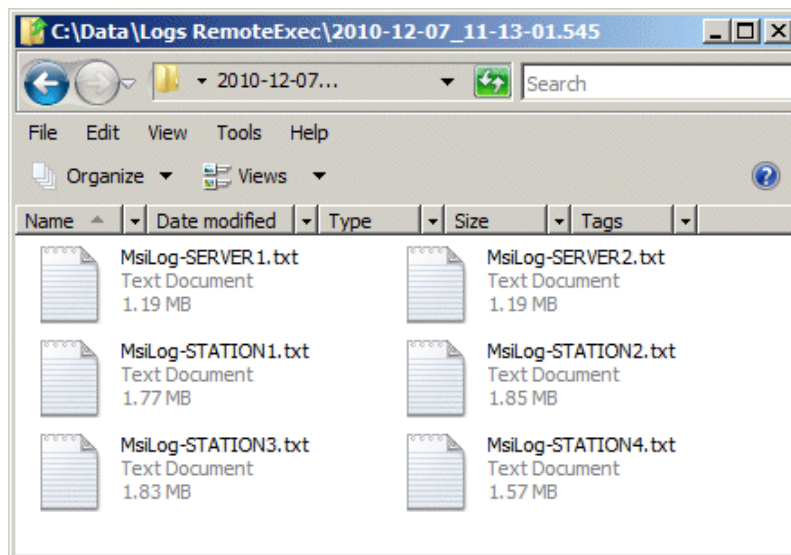
This feature is automatically used during the deployment of a *Msi* file with the log enabled (name of the log files: *Msi-%ComputerName%.txt*).

Warning! To use the remote log share, the *Administrative* context should be avoided because the remote process will not be allowed to access the share in this case (*Administrative* context = no right on the network).

For example you can execute the following script on remote computers:

```
"dir >%RemoteLogShare%\LocalDir-%ComputerName%.txt"
```

You will see the following files in the log share.



For additional information, please contact IS Decisions at one of the following:

2.3.4.4. Common errors & status

You will find hereafter most common errors and status you can see in the *Progress Window* or the *Result Window*.

Event	Information	Explanation
Connecting		Trying to contact the remote computer.
Failed to connect	Unable to resolve the name.	The <i>Target Computer</i> doesn't exist or there is a name resolution problem.
Failed to connect	No answer to the ping.	The <i>Target Computer</i> is off. The <i>ICMP v4 (Ping)</i> is blocked by a <i>Firewall</i> .
Failed to connect	Unable to contact this computer with Windows protocols.	The <i>Microsoft File and Printer Sharing</i> is not enabled on the <i>Target Computer</i> .
Failed to connect	The access is denied.	The account is not administrator of the <i>Target Computer</i> .
Failed to connect	Unable to access the registry.	The <i>Remote registry</i> service is disabled.
Failed to connect	Step: GenericConnect Error Code 2114 Error description: The Server service is stopped.	The <i>Server</i> service is stopped.
Failed to connect	Not enough workstation licenses.	You are trying to use <i>RemoteExec</i> on more computers than your <i>license</i> allows you to do. Please contact the Sales department for licenses addition.
Preparing		You are executing the first <i>Remote Job</i> on this computer. <i>RemoteExec</i> prepares it to run <i>Actions</i> remotely.
Failed to prepare	Step: LauncherDeploy Error code: 67 Error description: The network name cannot be found.	<i>Administrative shares</i> are disabled on the <i>Target Computer</i> . Enable them again with the following registry key: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters The two following values (REG_DWORD) should be set to 1: AutoShareWks, AutoShareServer (Need a reboot to validate the changes)
Copying		Copying the executable and the <i>Working folder</i> on the remote computer.
Failed to copy	Could not find file 'Path\File'.	The path of the file to execute/to copy entered is not valid.
Failed to copy	Access to the path "\\Target_Computer\Path" is denied.	The account has not the write privilege on the target folder. An <i>Antivirus/Firewall</i> blocked the write action to the <i>administrative share</i> .
Initializing		Initializing the remote computer before executing the Action.
Failed to initialize	Unable to logon the user! Error code 0x52E Logon failure: unknown user name or bad password.	The user name or the password used to execute the operation is not correct. It occurs generally when you don't enter the password for the <i>Full administrative</i> context.
Starting		Trying to start the executable.
Failed to start	No logged on user.	You tried to start an execution in <i>Interactive</i> mode on a computer without logged on user. The <i>Interactive</i> context is designed to display an interactive program to the logged on user.
Executing		Executing the <i>Action</i> .
Aborted		The user has aborted the remote execution before the <i>Action</i> could be started on this computer.
Done		The <i>Action</i> has been executed.

For additional information, please contact IS Decisions at one of the following:

2.3.4.5. Remote execution requirements

Requirements on the administration console:

- *RemoteExec* must be started with an account with administrative rights on all *Target Computers*. If this is not possible you need to add *Impersonation accounts* through the *Options* window.
- The "*Client for Microsoft Windows*" network component should be installed and enabled on the network connection.
- The *Workstation* service should be running.

Requirements for *Target Computers*:

- The "*Microsoft file and printer sharing*" component should be installed and enabled on the network connection.
- The following services should be running: *Server*, *Remote registry service*.
- *Administrative shares* should be enabled. See *Common errors* and how to fix them.
- No Firewall should disallow the following protocols: *ICMP (ping)*, *SMB (TCP 445)*. For *Windows XP SP2* computers and more please read the document *XP SP2 firewall configuration*.

For additional information, please contact IS Decisions at one of the following:

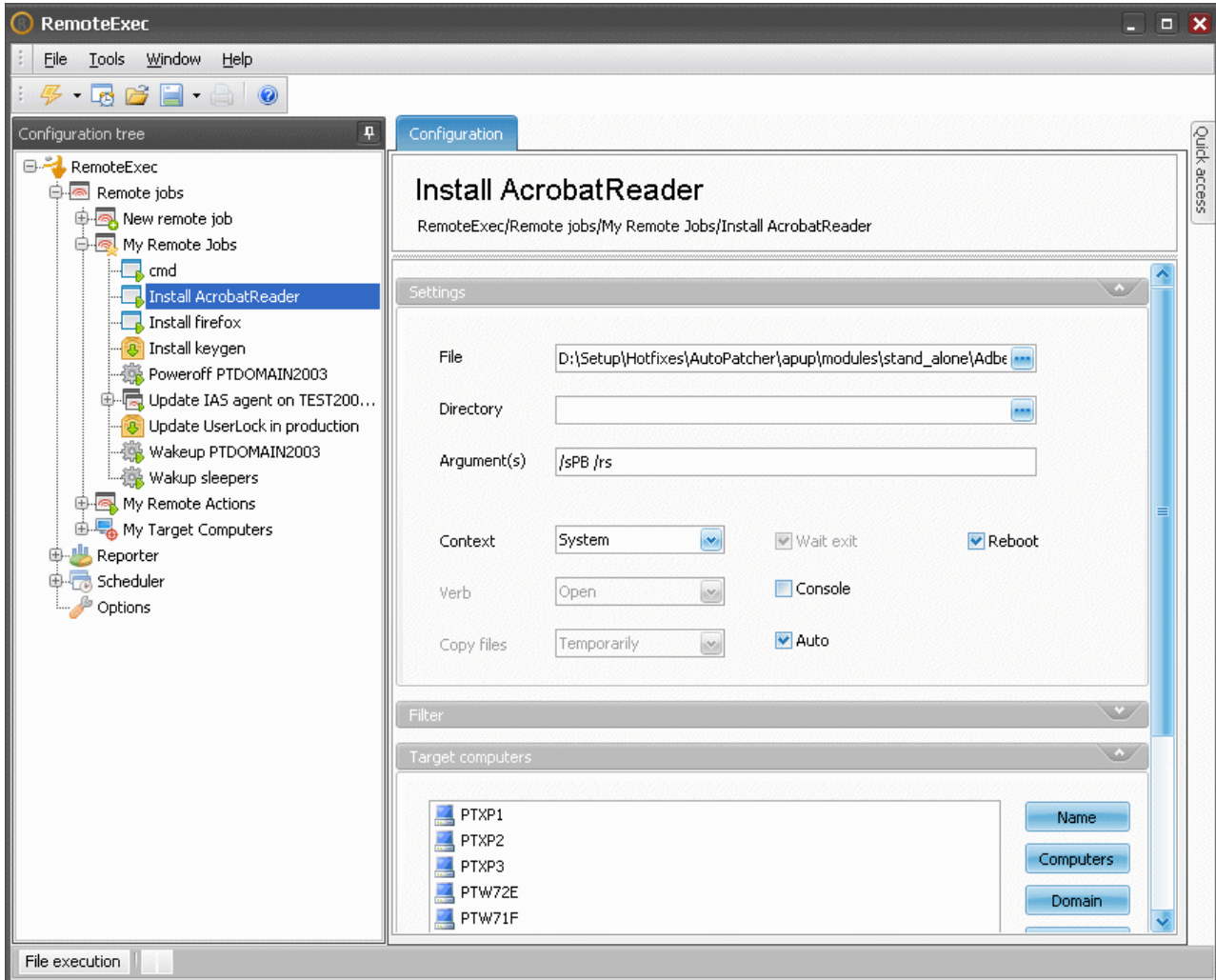
2.3.5. Favorites

2.3.5.1. My remote jobs

If some *Remote Jobs* need to regularly be executed you can save them in this favorite folder. In order to start the *Job* again, just select it and click *Launch* ⚡.

Once a *Remote Job* has been saved in the favorite it's possible to see the cumulative result off all execution attempts of this *Job* by using the *Job statistics* report.

If the *Remote Job* needs to be executed automatically at specific times you can choose to schedule it.

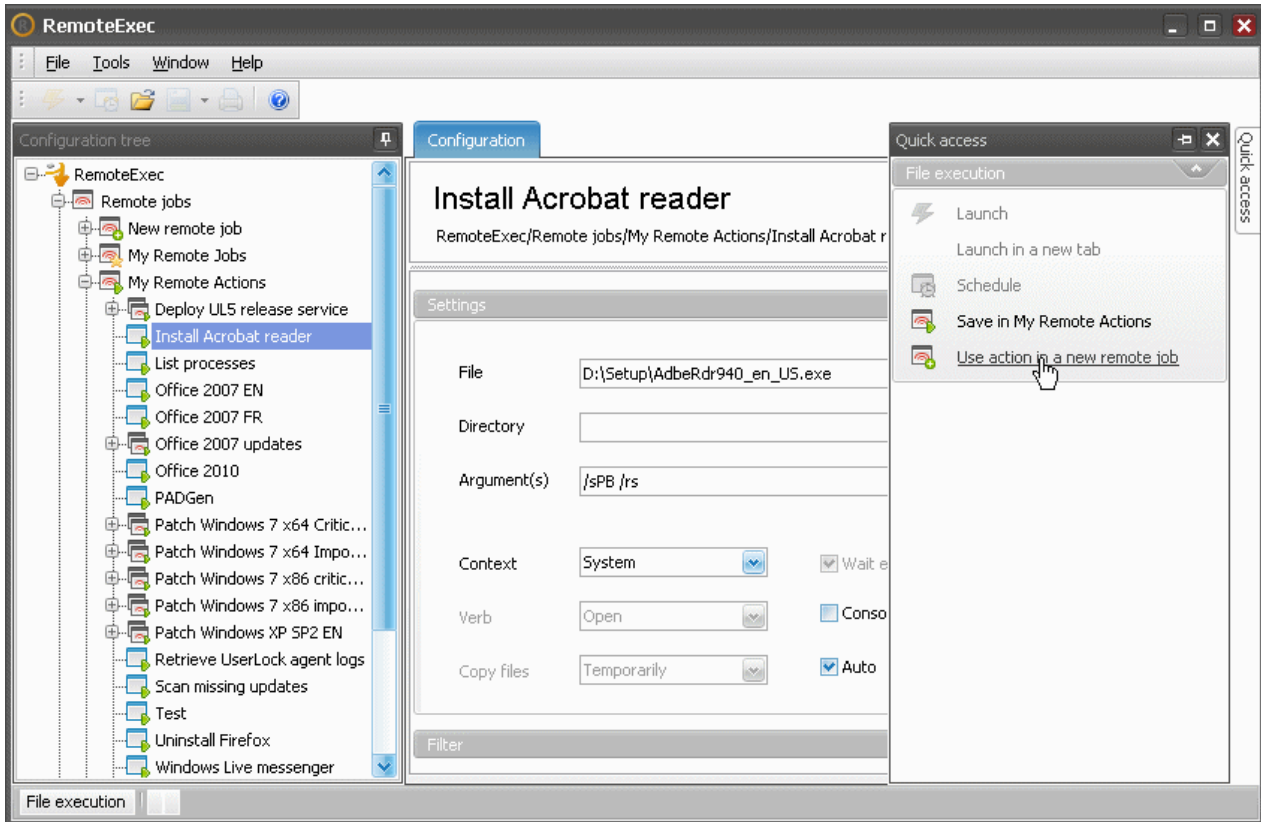


For additional information, please contact IS Decisions at one of the following:

2.3.5.2. My remote actions

In this favorite folder you can easily store *Remote Actions* that you will need to regularly use for different computers.

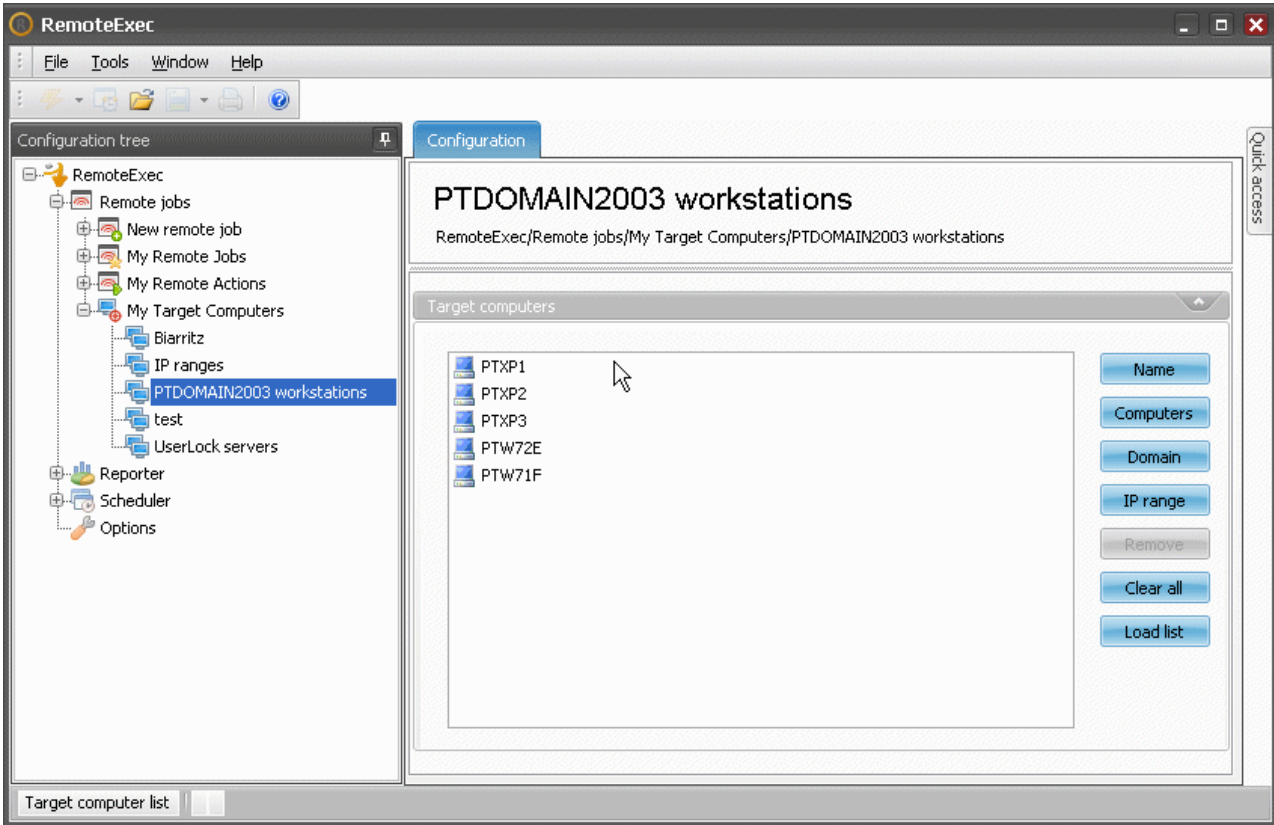
In order to reuse a saved *Remote Action* just select in the favorite folder and click on *Use action in a New Remote Job* in the *Quick access* panel.



For additional information, please contact IS Decisions at one of the following:

2.3.5.3. My target computers

If you have *Target Computer* lists that you use regularly, you can save them here.



For additional information, please contact IS Decisions at one of the following:

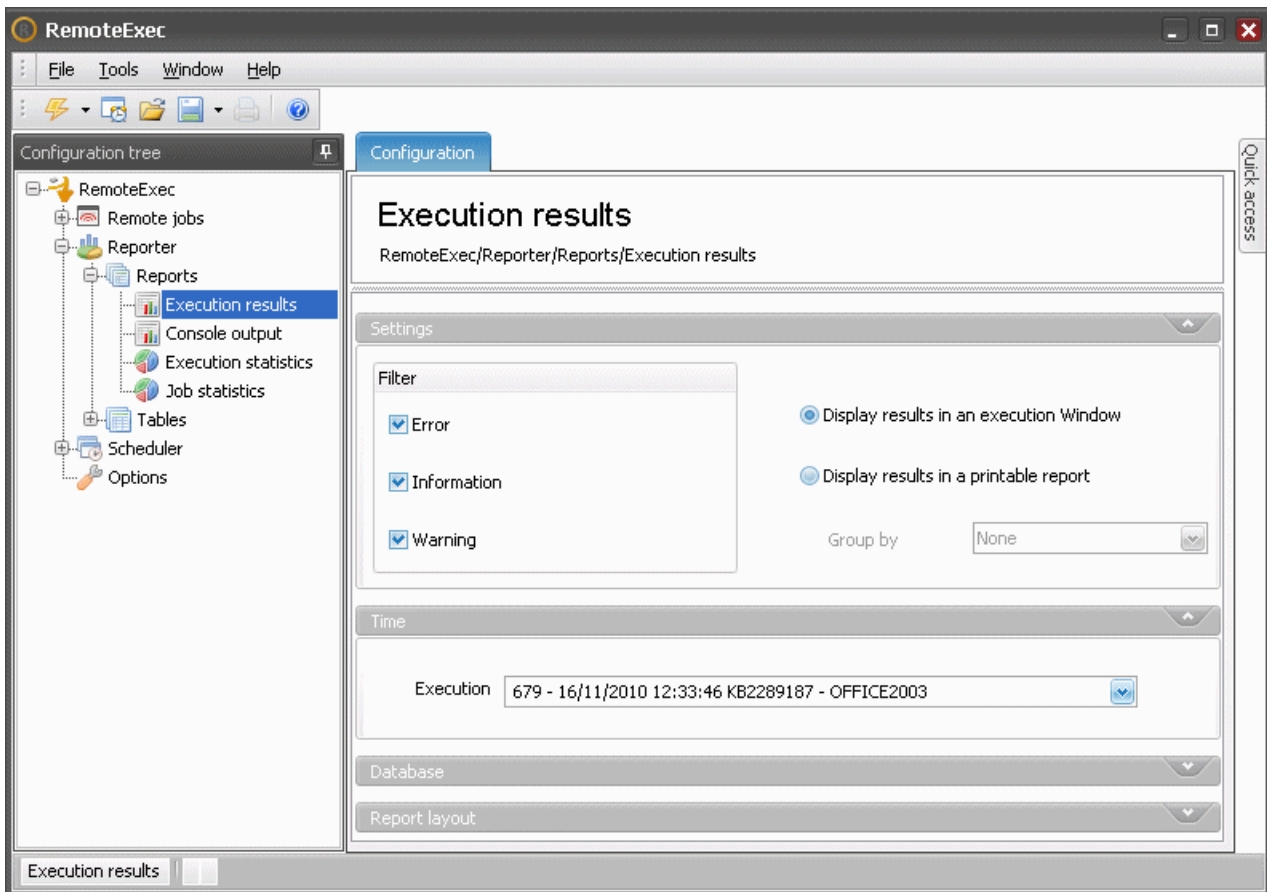
2.4. Reports

2.4.1. Execution results

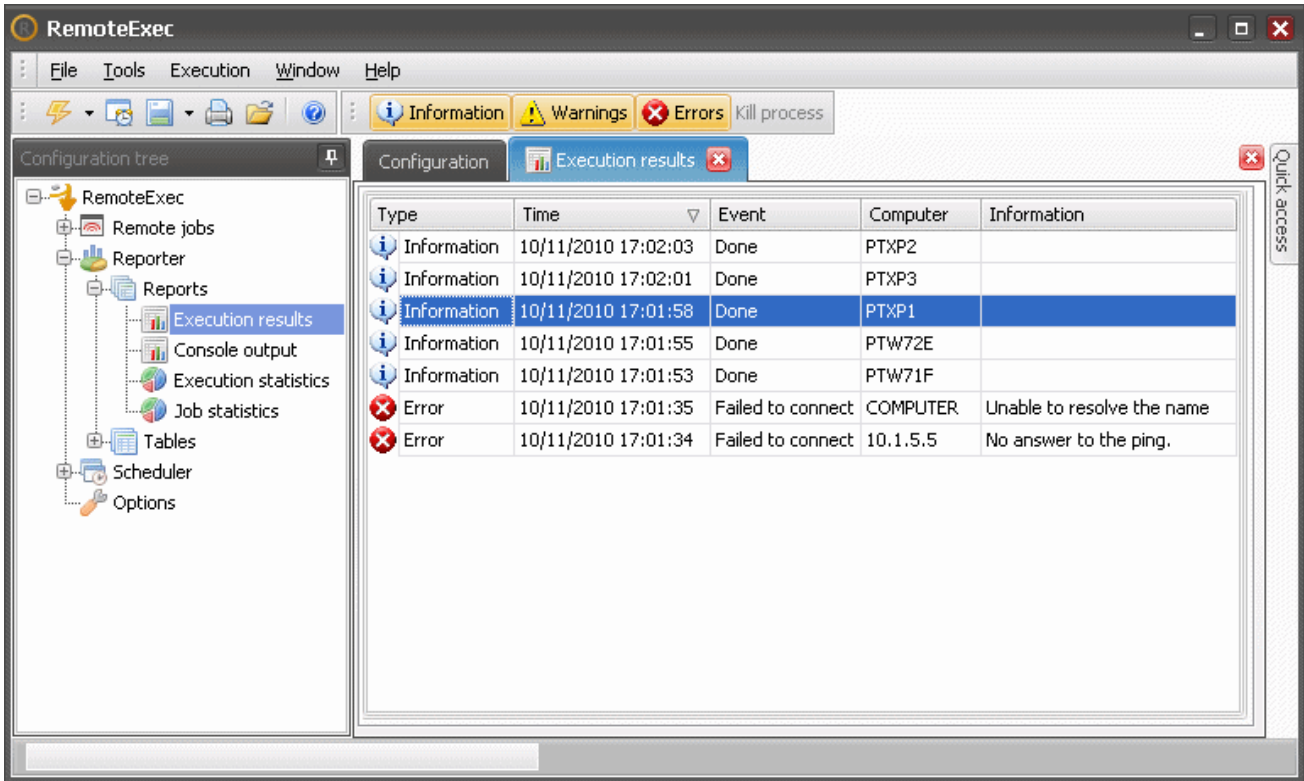
This report allows you to see the *Execution result* for each *Target Computer* concerned by the remote execution.

In the first section, you can either select the option *Display results in an execution Window* to show the result as if the execution was just done or you can display results in a printable report checking *Display results in a printable report*.

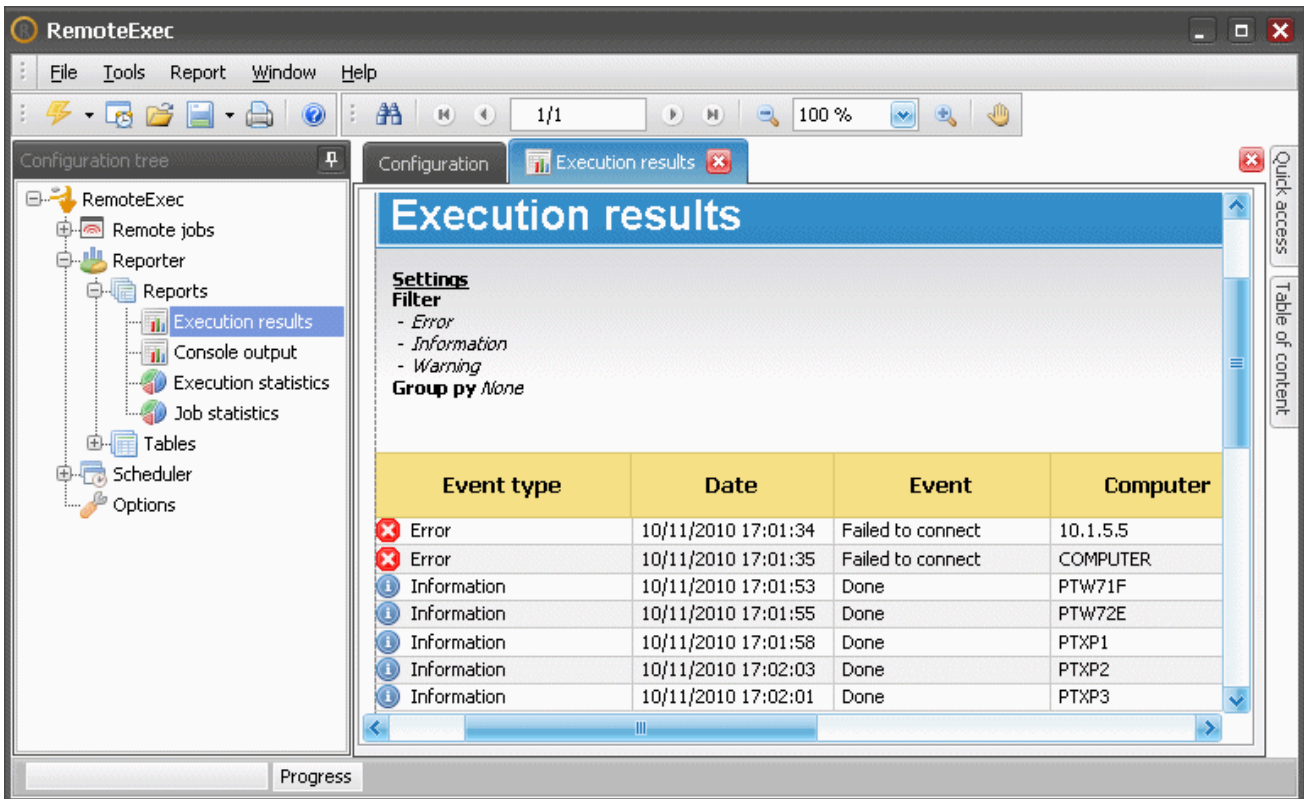
In the second section you need to select the execution for which you want to display results.



Then just click on the *Launch* button  and the report is opened in a new tab.



Execution results in a Progress Window

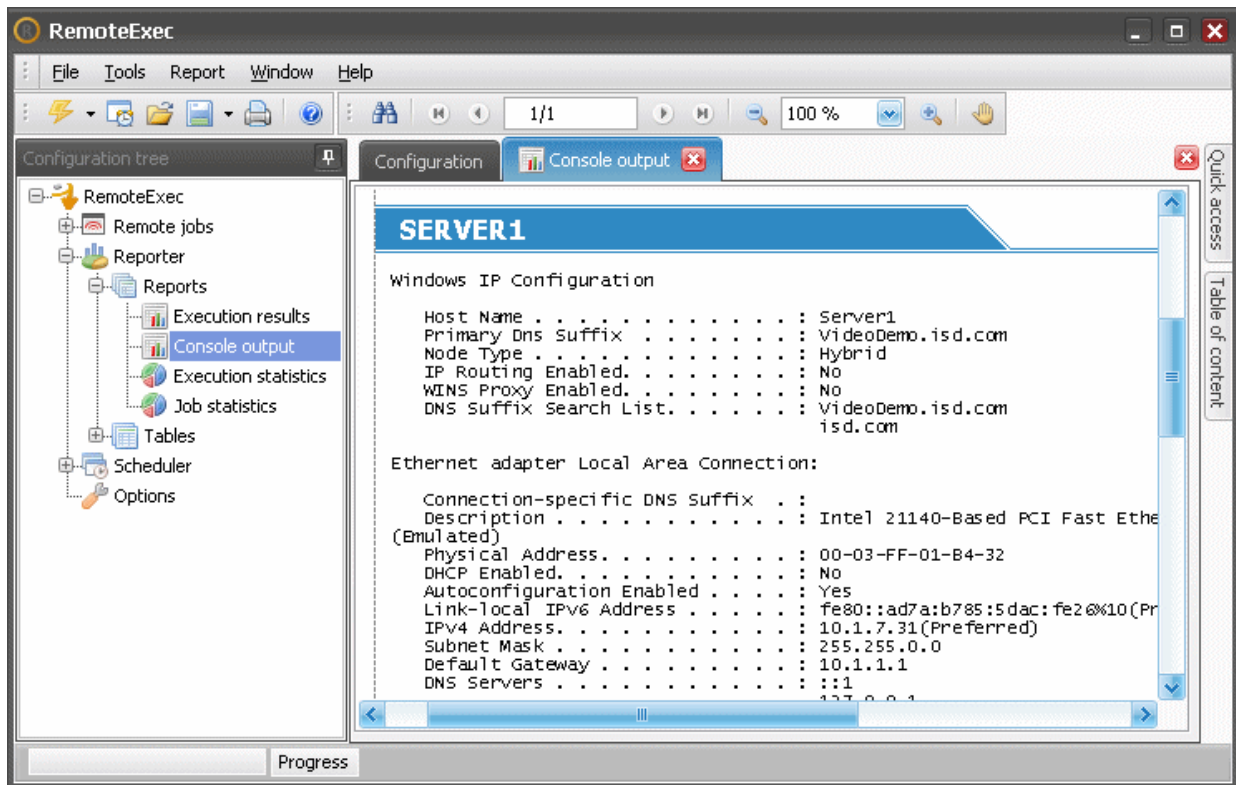
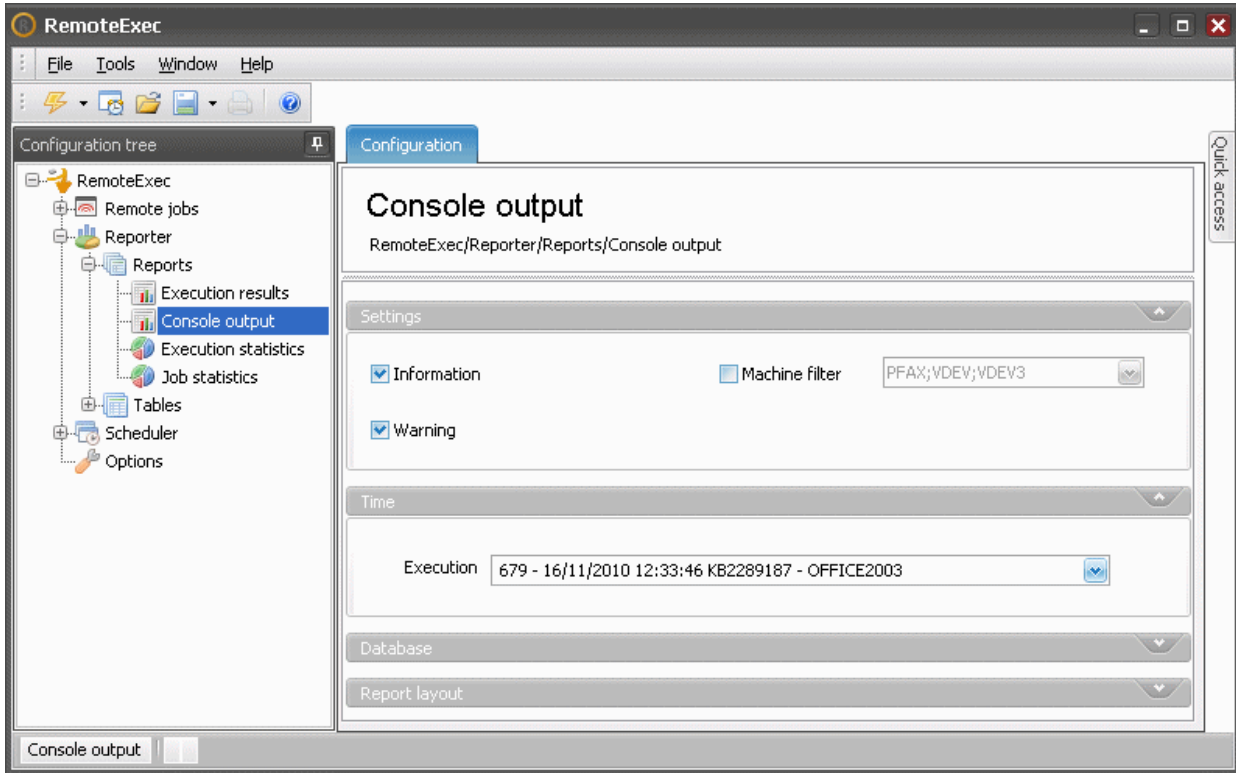


Execution results in a printable report

For additional information, please contact IS Decisions at one of the following:

2.4.1.1. Console output

This report allows you to display the text output generated by the remote execution of a *console* program. The *Console* option of the *File execution action* must have been enabled for the execution.

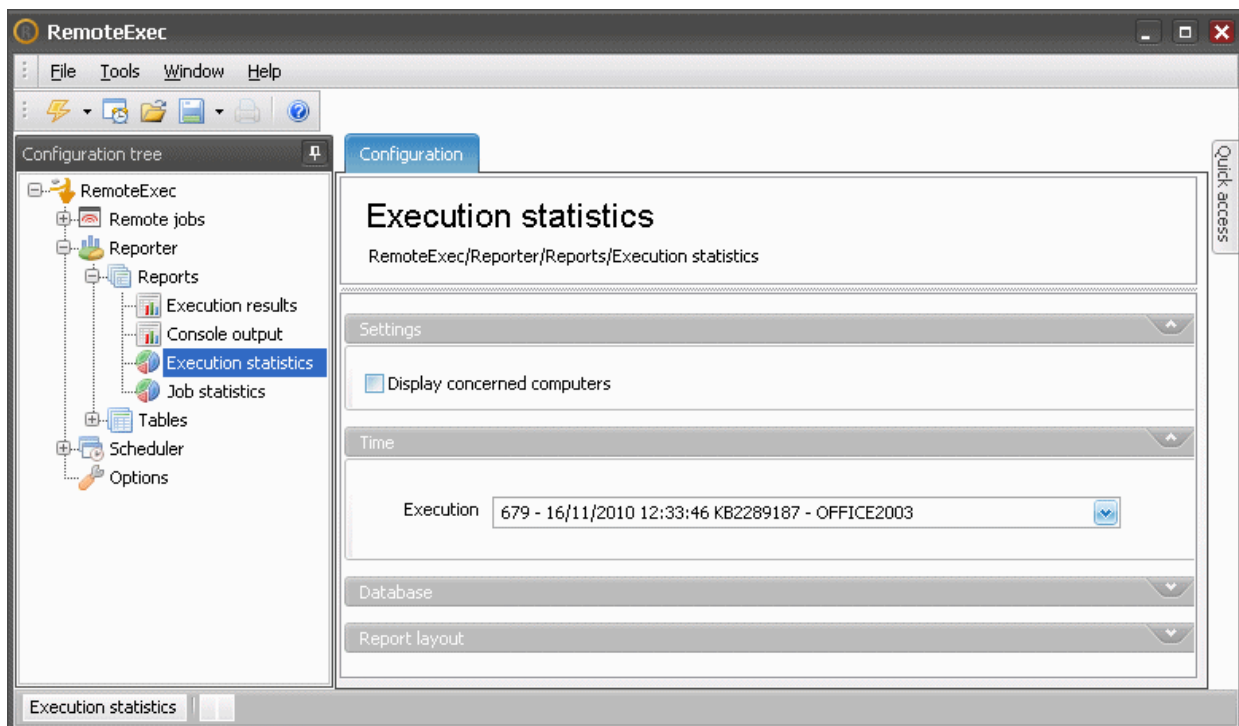


For additional information, please contact IS Decisions at one of the following:

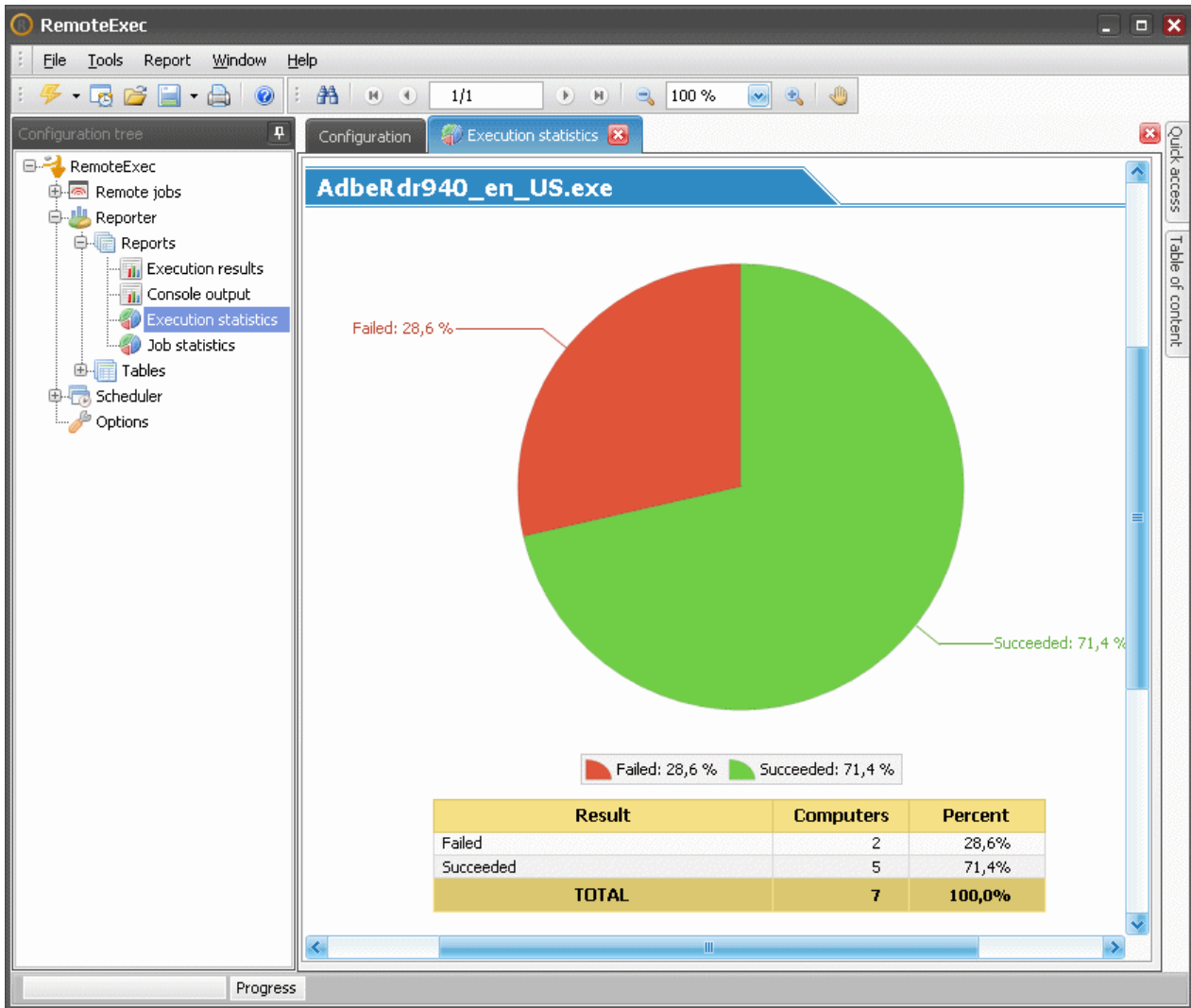
2.4.1.2. Execution statistics

This report displays a result breakdown for a remote execution. The following result types may appear in the pie chart.

Failed	The <i>Action</i> failed to be executed.
Partially failed	This concerns a <i>Multiple Action</i> and some child <i>Actions</i> failed to be executed.
Warnings	This concerns a <i>Multiple Action</i> and some child <i>Actions</i> returned an exit code not null.
Exit code not null	The remote process has been successfully launched by <i>RemoteExec</i> but it returned an exit code different than 0 probably meaning that something went wrong during the execution (e.g. a required component is missing for the installation to complete).
Not filtered	The <i>Remote Action</i> was not executed because some conditions were not met (e.g. <i>Msi</i> package already installed, version of <i>Windows</i> not concerned by the update, ...).
Reboot needed	The <i>Remote Action</i> has been successfully executed but a reboot is needed to complete the installation.
Succeeded	The <i>Remote Action</i> has been successfully executed.



For additional information, please contact IS Decisions at one of the following:



For additional information, please contact IS Decisions at one of the following:

+335.59.41.42.20
Phone

+335.59.41.42.21
Fax

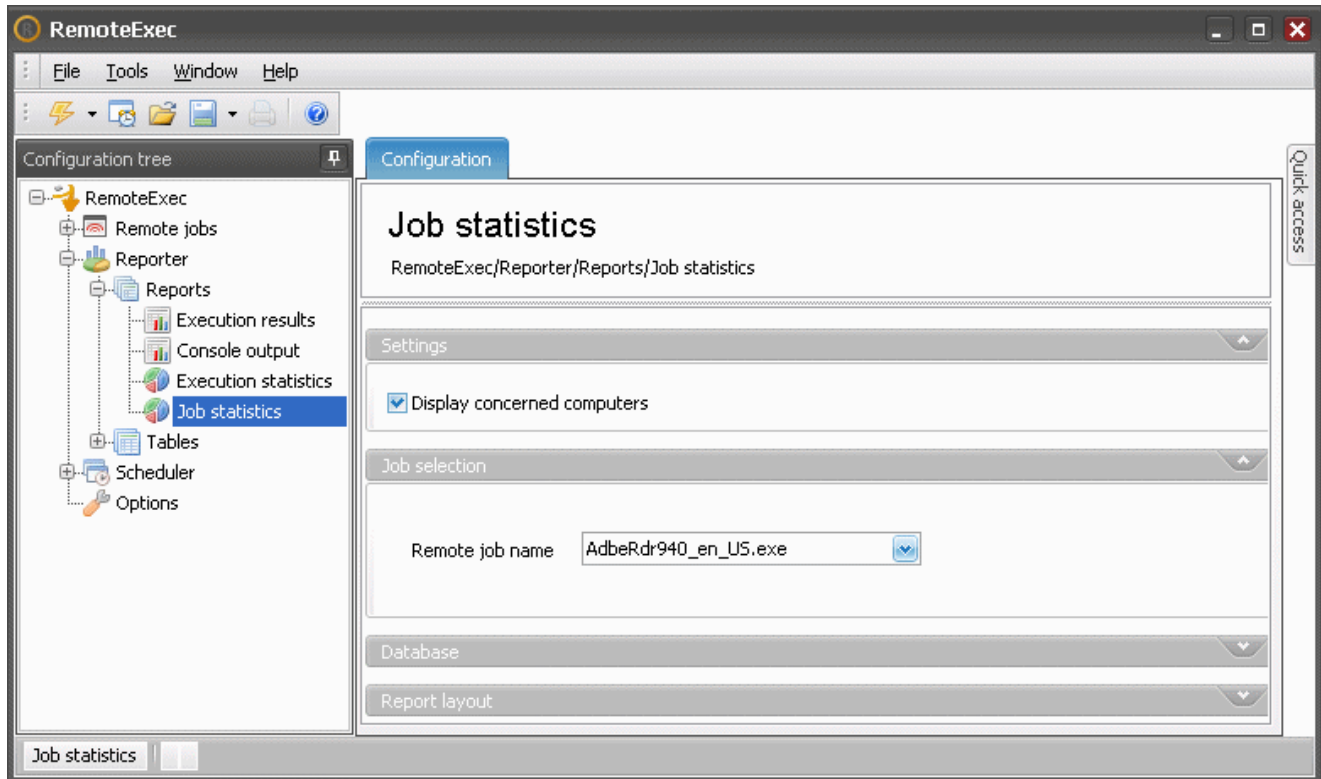
www.isdecisions.com
Web

info@isdecisions.com
Email

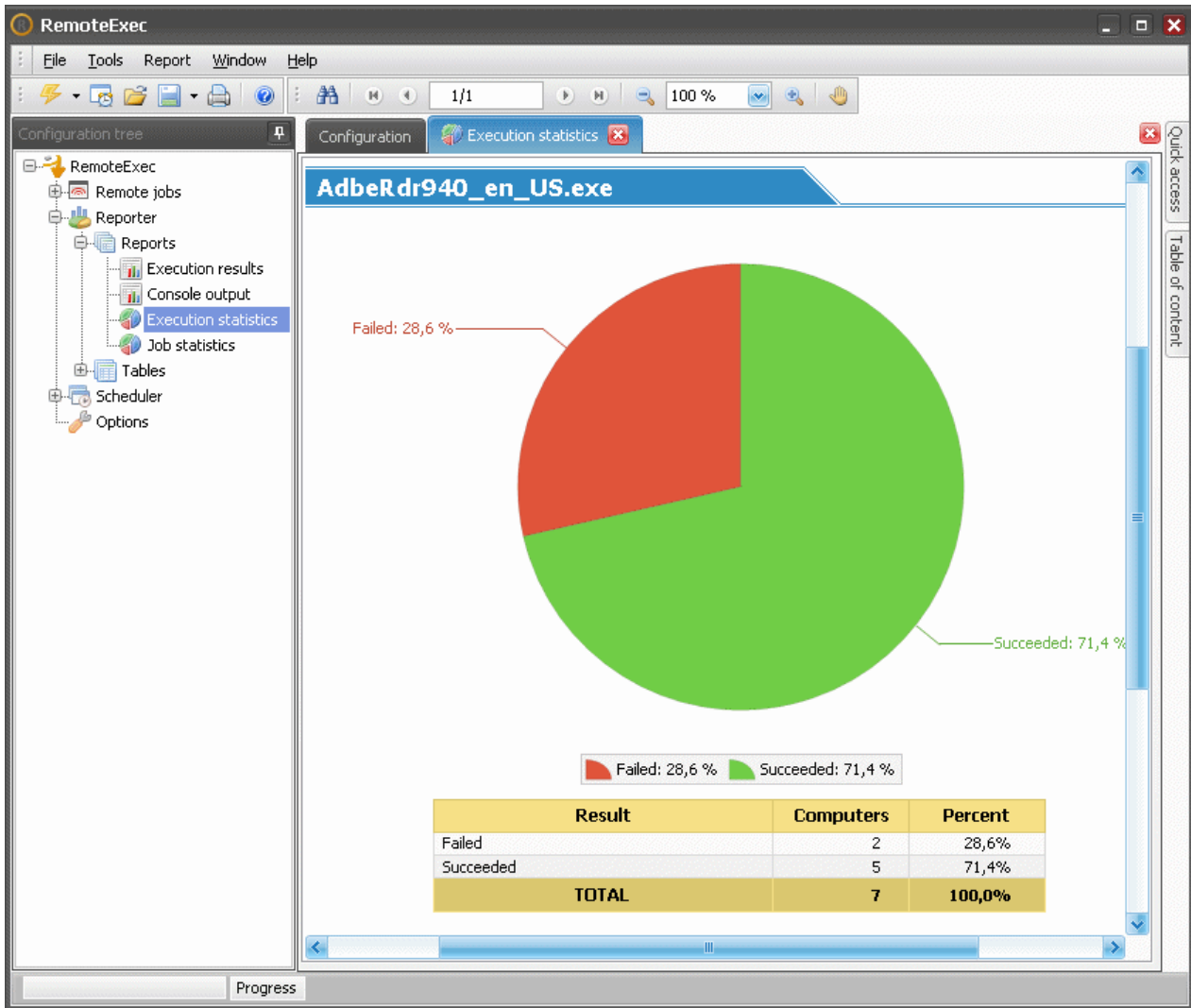
2.4.1.3. Job statistics

That's the same report as the *Execution statistics* report but for a *Remote Job* saved in *My Remote Jobs* or in a *Scheduled Task*. Instead of displaying statistics on a single execution the report will take into account all executions of the *Remote Job*.

A computer will have the *Failed* result if the execution failed during all execution attempts and will have the *Succeeded* status if the execution succeeded at least once.



For additional information, please contact IS Decisions at one of the following:



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2.4.2. Command Line reference

You can use *RemoteExec* with command line arguments to automate its execution. The default location of *RemoteExec.exe* is *c:\program files\ISDecisions\RemoteExec5*. This path should have been added to the environment variables to invoke the *RemoteExec* command from anywhere.

2.4.2.1. Specify Target Computers

At least one of these switches is required to specify *Target Computers* when you don't use a saved *Job* for a remote execution. You can repeat these switches to specify several computers name or several computer lists. To avoid a long repetition of *Target Computers* switches, you can save a list of machines.

/COMPUTER ComputerName

Add a single computer to the *Target Computers* list. You can also specify an *IP address*.

/COMPUTERLIST ComputerListPath (.xml file)

Add a saved computer list file to the *Target Computers*.

/MYCOMPUTERLIST ComputerListName

Add a computer list saved in *My Target Computers* to the *Target Computers*.

/DOMAIN DomainName

Select all computers from the specified *domain* as *Target Computers*.

2.4.2.2. Specify a Remote Action

/ACTION ActionFilePath (.xml file)

Specify a saved *Action* to be executed on the *Target Computers*.

/MYACTION ActionName

Specify an action saved in *My Remote Actions*.

Examples:

RemoteExec **/COMPUTER** ComputerName **/MYACTION** ActionName

RemoteExec **/COMPUTER** ComputerName **/ACTION** PathToXmlActionFile

RemoteExec **/MYCOMPUTERLIST** ComputerListName **/MYACTION** ActionName

2.4.2.3. Specify a Remote Job

/JOB JobFilePath (.xml file)

Specify a saved *Job* to be executed.

/MYJOB JobName

Specify a *Job* saved in *My Remote Jobs*.

Examples:

Jobs can be specified without *Target Computers* because they are already included.

RemoteExec **/MYJOB** JobName

RemoteExec **/JOB** PathToTheXmlJobFile

2.4.2.4. Specify a File execution

You can completely define a remote *File execution* from the command line.

/EXE FileToExecute

Specify the executable file to be executed remotely.

/FOLDER WorkingFolder

(Optional) Specify the *Working Folder* for the remote execution.

/ARGS Argument(s)

(Optional) Specify optional *Argument(s)* for the executable.

/CONTEXT Administrative/Interactive/FullAdministrative/System/InteractiveSystem

(Optional) Specify the *context* for the remote execution. If the *context* is not specified, the remote execution is run in *Administrative context*.

See *File execution*.

/NOWAIT

(Optional) Don't wait the end of the process before continuing. By default *RemoteExec* always waits the end of process.

/REBOOTIFNEEDED

(Optional) *Reboot Target Computers* after the remote execution if some files require it in order to be updated.

/NOCONSOLE

(Optional) Don't retrieve the console if the file is a console program. By default the console is always retrieved when *RemoteExec* detects the file to execute as a console file.

/NOAUTO

(Optional) Don't request *RemoteExec* to choose automatically the best options. By default *RemoteExec* automatically chooses the *Verb* and the *files copy mode*.

/VERB verb

(Optional) The *verb* for the shell execution. The default *verb* is *open* (default shell execute action).

/COPYMODE No/Temporary/Permanent

(Optional) Specify the *copy mode* to be used.

Example:

The following example does a remote command prompt (like a telnet).

RemoteExec **/COMPUTER** ComputerName **/EXE** cmd

2.4.2.5. Specify a System action

You can also completely define and execute a *System action* from the command line.

Switches that define a *System action* **/REBOOT /SHUTDOWN /LOGOFF /LOCK /WAKEUP /ABORT**
Only one of these switches should be used. See the *System action* for more information.

/EXECUTIONMODE Immediate/ImmediatelyPossible/AlwaysNotify
(Optional) Says if the *System action* execution should start immediately or after a *notification* to the user.

/NOTIFYMODE ExecuteAfter/Periodic
(Optional) Says if the execution should take place after the *notification* time out or if the *notification* time represents a popup period.

/NOTIFYTIME value in minutes
(Optional) The *notification* will be displayed during this time or will popup periodically with this time period.

/FORCE
(Optional) Force applications to close during a logoff, a reboot or a shutdown.

/NOTIFYMESSAGE message
(Optional) Message that will be displayed to the user.

/WAITTIME value in minutes
(Optional) How much time should *RemoteExec* wait that the computer performed the shutdown, restart or wake up.

/NOWAIT
(Optional) Don't wait after initiating the shutdown, restart or wake up.

/REBOOTIFNEEDED
(Optional) For a *reboot System action*, launches the *reboot* only if some files require it in order to be updated.

Examples:

RemoteExec **/COMPUTER** ComputerName **/REBOOT**

RemoteExec **/MYCOMPUTERLIST** TargetComputerListName **/REBOOT /NOTIFYMESSAGE** "Your computer was updated and need a reboot"

RemoteExec **/COMPUTER** ComputerName **/WAKEUP**

2.4.2.6. Specify a Popup

/POPUP message

Specify a *Popup message* to be displayed to users.

/POPUPTITLE title

(Optional) Specify a *title* for the *Popup* window.

Examples:

RemoteExec **/COMPUTER** *ComputerName* **/POPUP** "Hello there"

RemoteExec **/MYCOMPUTERLIST** *TargetComputerListName* **/POPUP** "Hello to all of you" **/POPUPTITLE** "Notification"

2.4.2.7. Exit code in command line mode?

The *RemoteExec* process will return:

0 If more than one *Target Computer* has been provided or if only one *Target Computer* has been provided and the remote process has been successfully started and exited with 0 as return code.

-1 if arguments provided to *RemoteExec* are not correct.

-2 Only one *Target Computer* has been provided and the remote execution failed for any reason.

-3 Only one *Target Computer* has been provided and the remote execution has been filtered out (e.g. wrong OS version, wrong language, ...).


-4 Only one *Target Computer* has been provided and the remote execution has succeeded but a reboot is needed to update the system.

If only one *Target Computer* has been provided and the remote execution has succeeded but the remote process returned an exit code that is not null then *RemoteExec* will return the same code.

For additional information, please contact IS Decisions at one of the following:

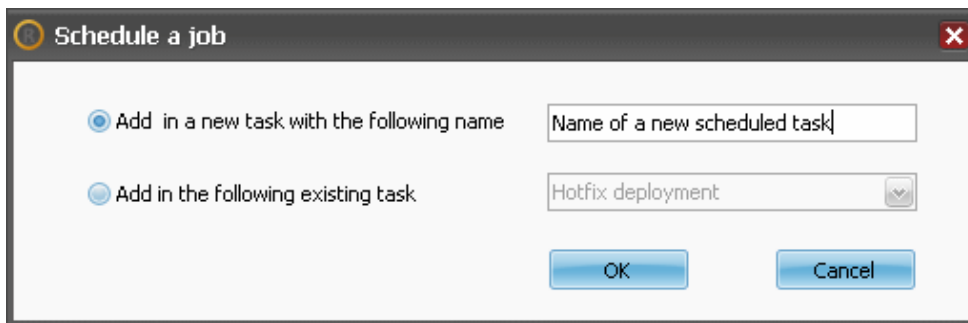
2.5. Scheduler

2.5.1. Schedule a job

You can easily schedule an *Job*. Select the desired *Job* it in the *Configuration tree*, configure it as if you wanted to start it immediately and when done, click on the *Schedule* button  in the toolbar (second button left to the *Launch* button) or in the *Quick access* panel.

You will be prompted to choose between:

- Add the *Job* to an existing *Scheduled Task* (the *Job* is added at the end of the execution sequence of the existing *Task*).
- Add the *Job* in a new *Task* (the *Action* will be the only executed *Action* in the new *Task*)



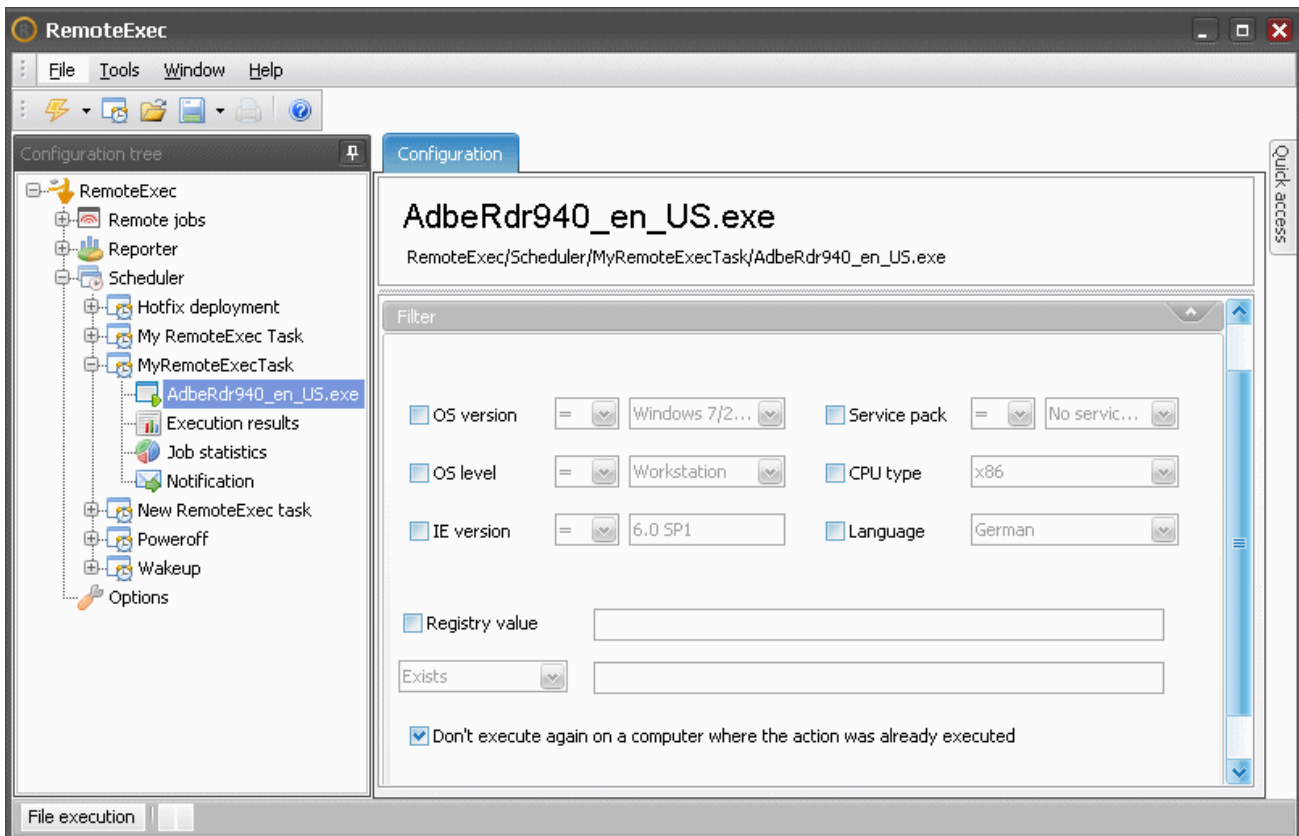
When done go to the *Scheduled Task* in the *Scheduler* in order to see the execution sequence and terminate to configure the *Job*.

For additional information, please contact IS Decisions at one of the following:

2.5.2. Scheduled remote job

If a *Remote Job* has been configured to run several times it may be important to select the *Filter* option *Don't execute again on a computer where the action was already executed*.

This *Filter* setting is useful if you want to install a specific software on numerous computers including those rarely available on the network (e.g. laptops). It will permit you to schedule many attempts on your *Target Computers* and request *RemoteExec* to not try to install the software if it was previously done successfully.

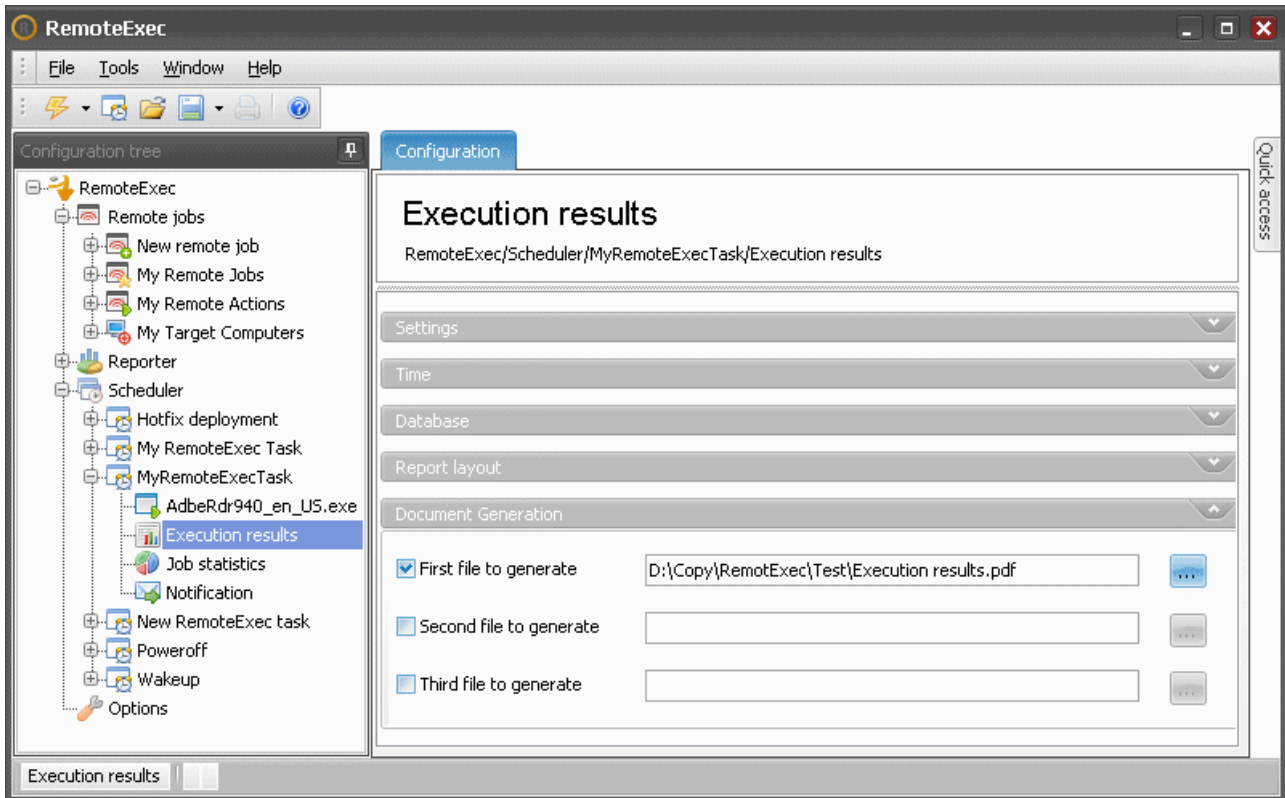


For additional information, please contact IS Decisions at one of the following:

2.5.3. Scheduled report

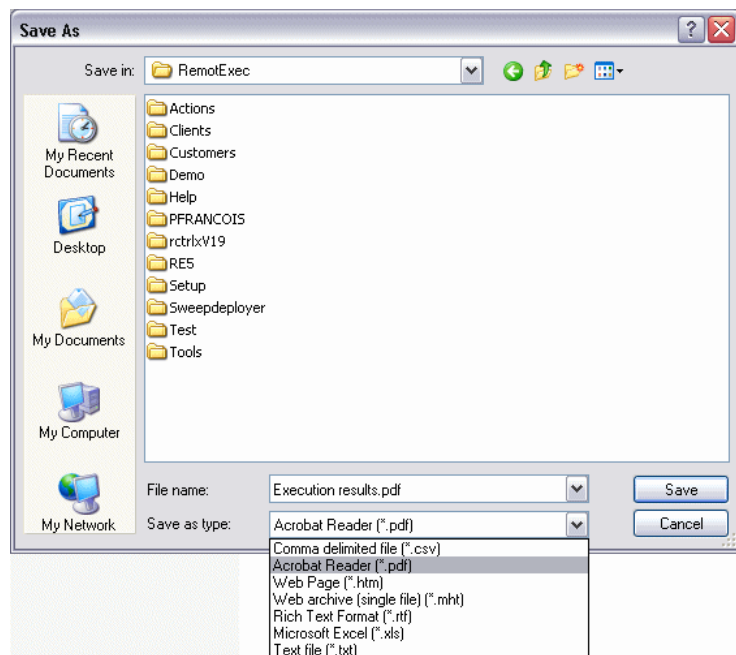
When a report has been scheduled a new *Configuration* section is added at the end: *Document Generation*. These settings specify where the report needs to be generated.

Select at least *First file to generate* and click on the button right to the path field and browse for a file location.



You can choose between the following file formats:

- PDF file (*.pdf)
- Comma delimited file (*.csv)
- Web page (*.htm)
- Web archive (single file) (*.mht)
- Rich text format (*.rtf)
- Microsoft Excel (*.xls)
- Text file (*.txt)



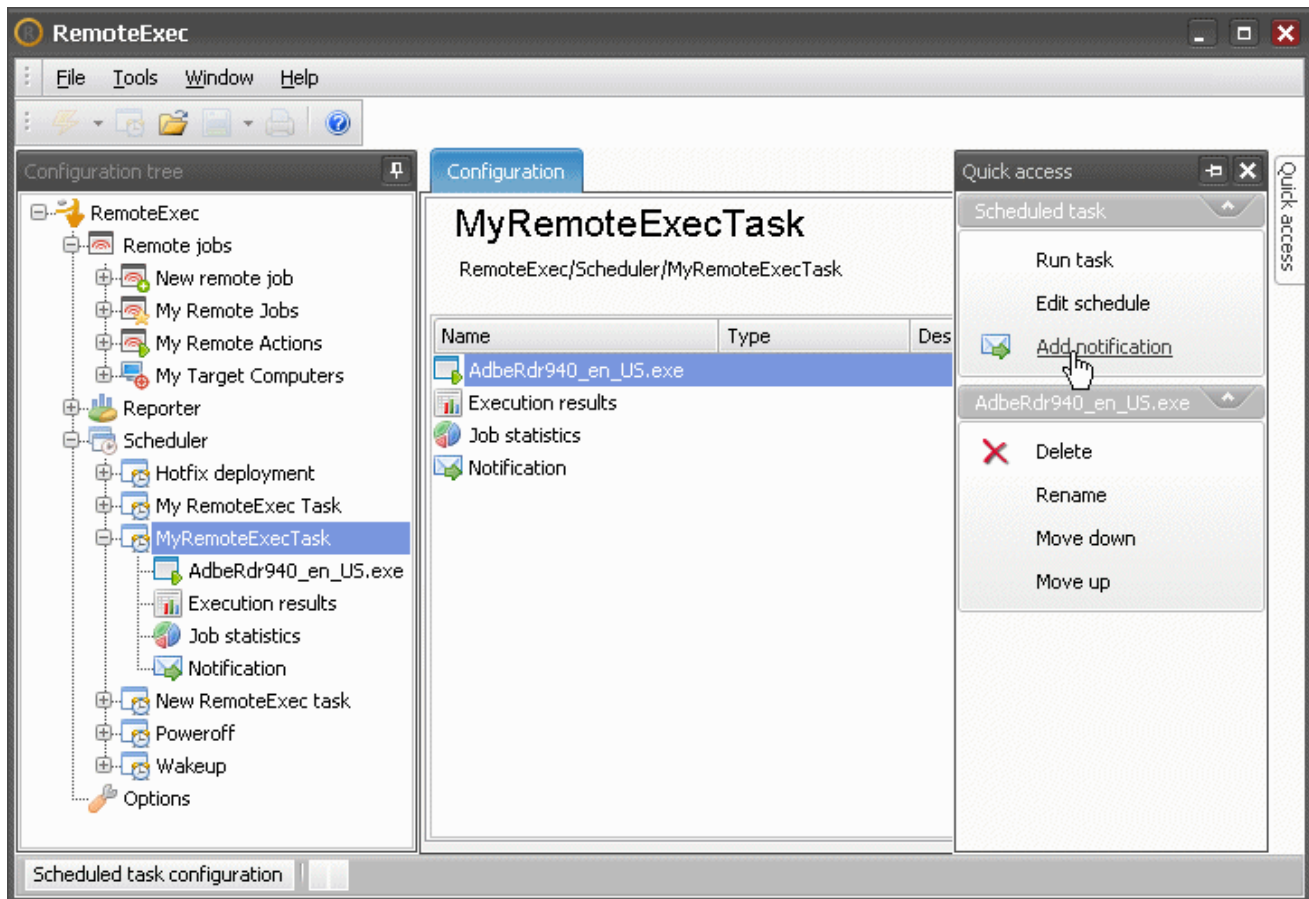
For additional information, please contact IS Decisions at one of the following:

2.5.4. Task settings

When you select a *Task* in the tree you see in the right pane the execution sequence of all *Jobs*. You can change this execution order with the *Down* and *Up* buttons. You can also remove a *Job* (*Delete* button) or add a *Notification* with the *Add notification* button.

Scheduled Task view is dedicated to manage existing *Tasks*, changing their properties, settings, sequences order and *Notifications*.

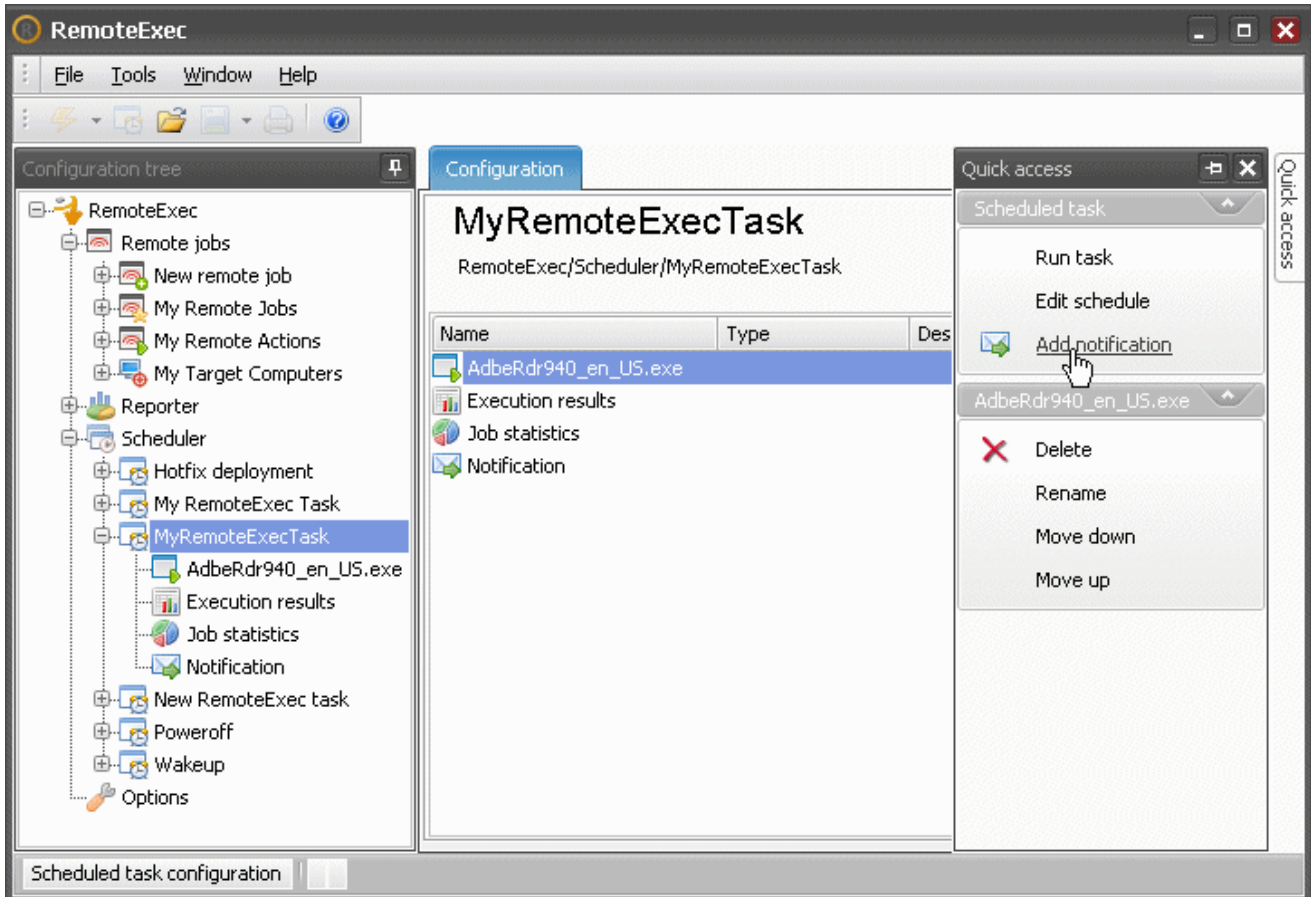
You can't create a *Task* from here, neither adds a *Job* on a *Task*: this have to be done from the *Action/Job* you want to schedule.



For additional information, please contact IS Decisions at one of the following:

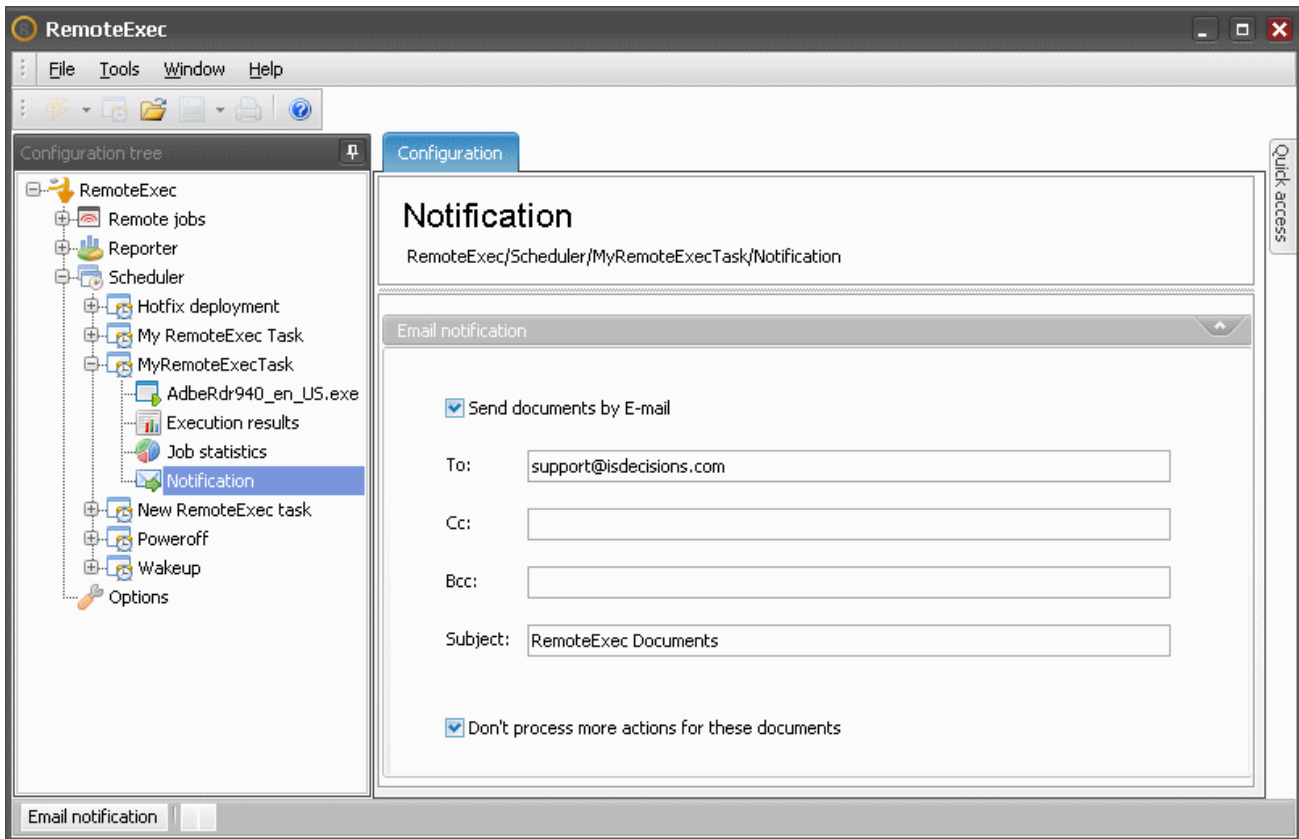
2.5.5. E-mail notification

If you want to send documents generated during a *Scheduled Task* to mail recipients, click on the *Add notification* button in the *Quick access* panel. A *Notification Action* is then added at the end of the execution sequence.



For additional information, please contact IS Decisions at one of the following:

Select the *Notification Action* to complete the required settings. Check the box *Send documents by E-mail* and type the list of all E-mail recipients in the *To:* field (separated by a semi colon ";").



If you want to send different documents to different recipients, enable the option *Don't process more actions for these documents*.

Doing so will allow to generate additional reports in the execution sequence and send them with a second *Notification Action* to others E-mail recipients.

Warning! If you don't use this option in the first *Notification Action*, the next *Notification Action* would also send these documents again in addition to the new ones requested.

For additional information, please contact IS Decisions at one of the following:

2.6. Options

2.6.1. Execution settings

Warning! These settings personalization are for advanced users only.

It's possible to adapt the resources taken by *RemoteExec* to your network environment through the *Options* view.

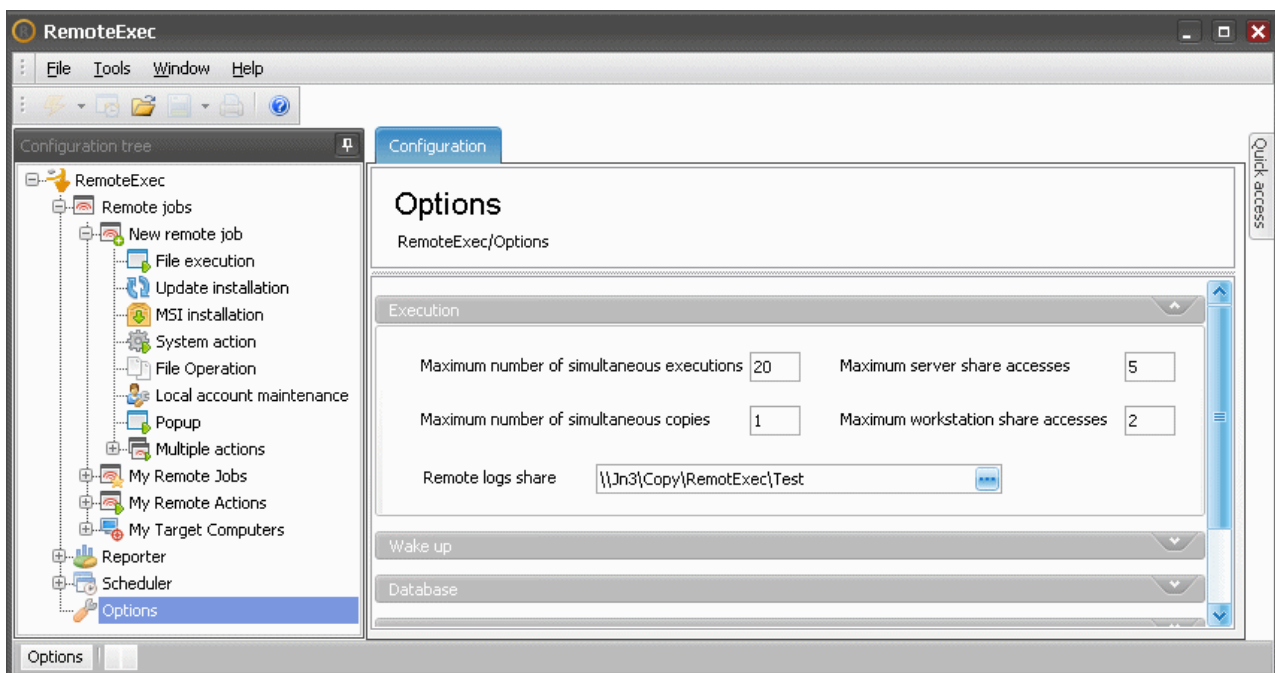
- *Maximum number of simultaneous executions*: This is the number of computers on which *RemoteExec* can run simultaneously a *Job*. If your *Target Computers* list includes more computers than this figure, the execution will be queued. The number must be lower than 500.

- *Maximum server share accesses*: When you execute a file located on a server share without using the copy option, you take a part of the server network bandwidth. To limit this bandwidth resource taken during a deployment, the number of these simultaneous file executions from a server share can be adjusted. The amount of *Maximum server share accesses* needs always to be lower than the *Maximum number of simultaneous executions*.

- *Maximum workstations share accesses*: The simultaneous connections on a workstation are limited to 5 by default. This number should be lower. However it's absolutely not recommended to use a workstation share: *Windows* does not immediately close the connections after the execution. It may generate many errors (share not accessible). The amount of *Maximum workstations share accesses* need always to be lower than the *Maximum number of simultaneous executions*.

- *Maximum number of simultaneous copy*: To avoid a network bandwidth overload of the computer from which files are copied, the simultaneous copies are limited to 5 by default. You can adjust this figure as needed.

- *Remote log share*: Path of a share where the remote processes will be able to save their own logs.



For additional information, please contact IS Decisions at one of the following:

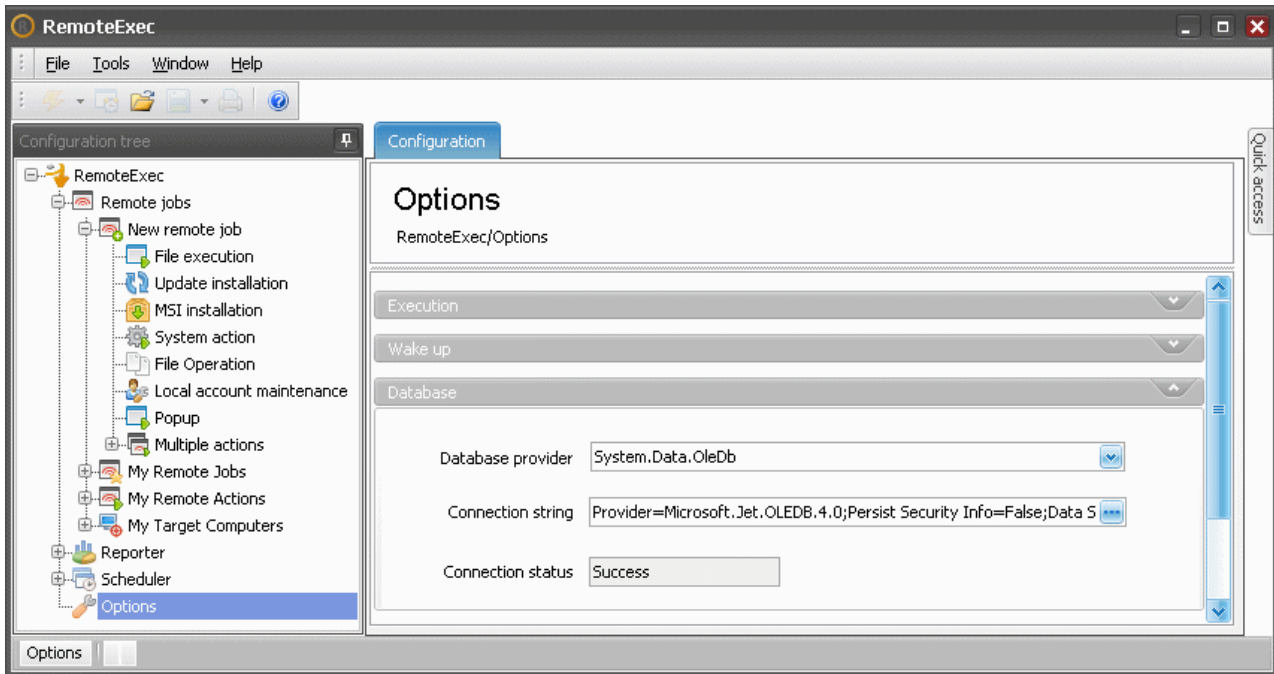
2.6.2. Database

RemoteExec saves remote execution logs in a *database*. By default a *MS Access database* is installed with the product.

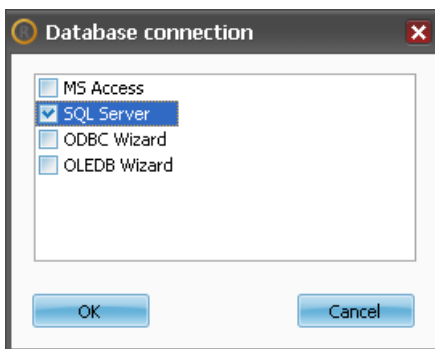
You can use a *SQL Server database* too.

Only *MS Access* and *SQL Server database* are currently supported. Other *database* systems may work but we did not validate them for *RemoteExec*.

You can change the *database* set through the *Options* view. In the *Database* section click on the button right to the connection string. It will launch the *Database wizard*.

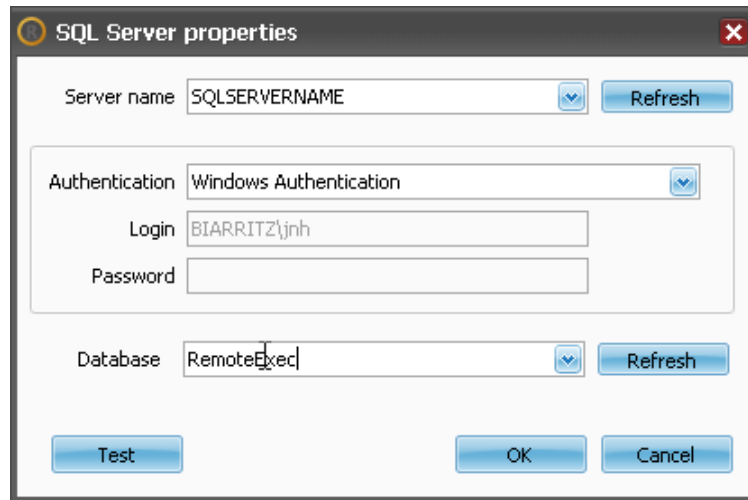


In the *Database wizard*, select *SQL Server*.



For additional information, please contact IS Decisions at one of the following:

And then specify connection settings to the *SQL Server* and select a *database* (you should have previously created it in *SQL Server*).



Needed tables will be automatically created when the first remote execution is launched with a new *database*.

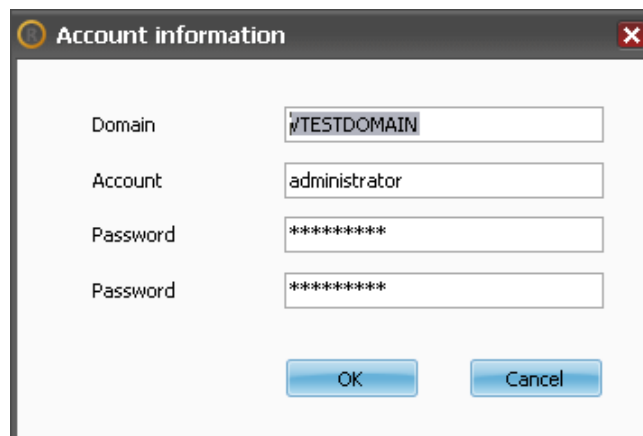
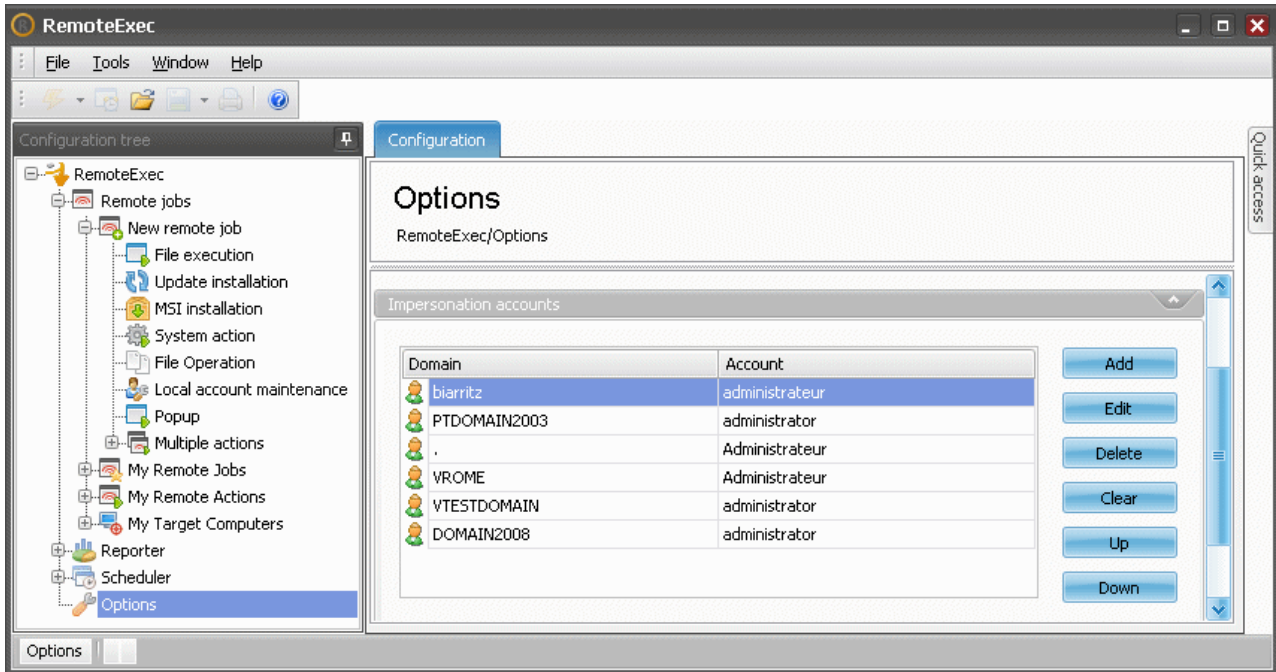
For additional information, please contact IS Decisions at one of the following:

2.6.3. Impersonation accounts

If your account doesn't have administrative right on some remote computers you can add a set of accounts in this *Options* section.

Specify a dot (.) as *Domain* if you want to use a local account created on *Target Computers*.

When *RemoteExec* meet an access denied with the account initially defined for the remote execution, it will try these *Impersonation accounts* beginning from the top of the list. You can change the account try order with the *Up* and *Down* buttons.



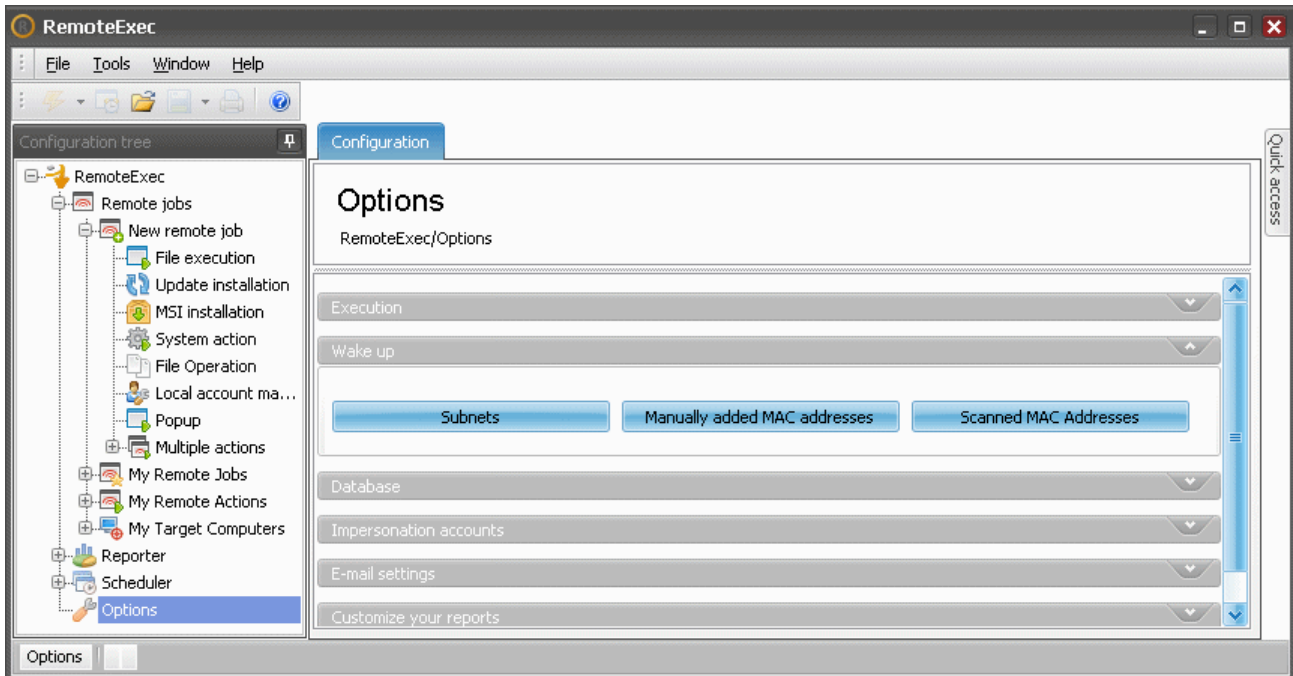
For additional information, please contact IS Decisions at one of the following:

2.6.4. Wake-on-Lan settings

You will be able to configure here all settings for the *Wake-On-Lan* feature available in the *System action*.

If you click on *Scanned MAC Addresses* you will be able to see all *MAC addresses* already scanned on your network.

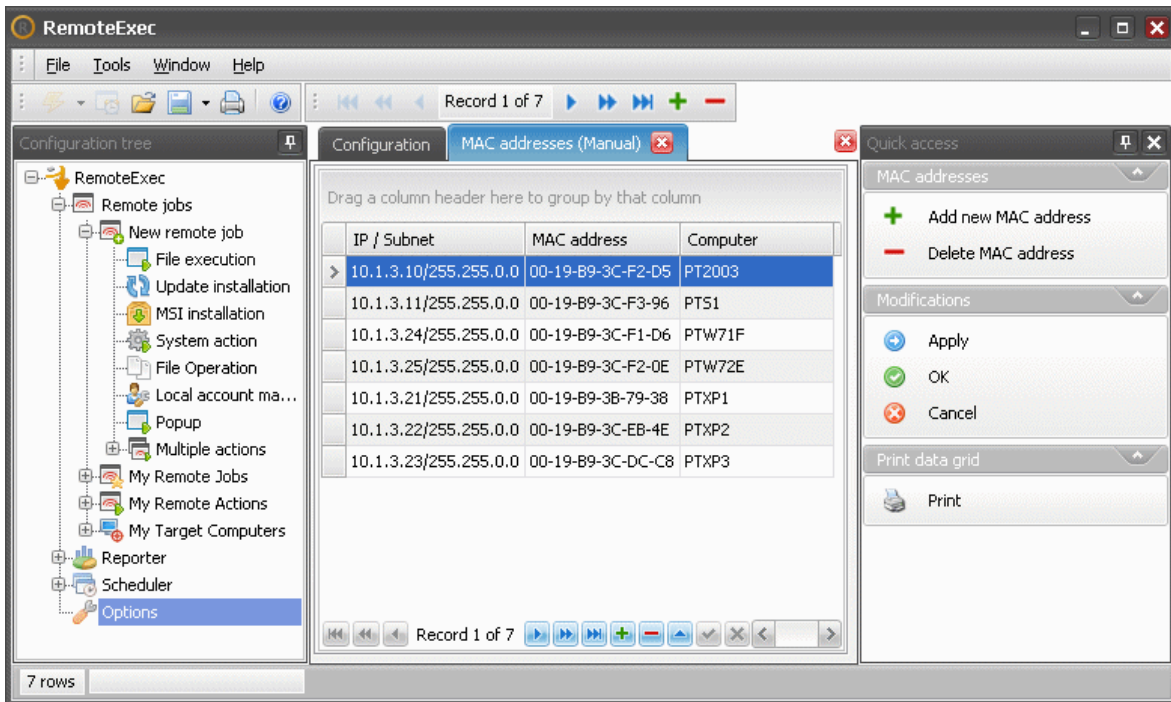
You can schedule retrieving *MAC addresses* and *subnets* with the *System action (Get wake up info)* but *RemoteExec* will automatically get wake up information from computers on which a remote execution has been started.



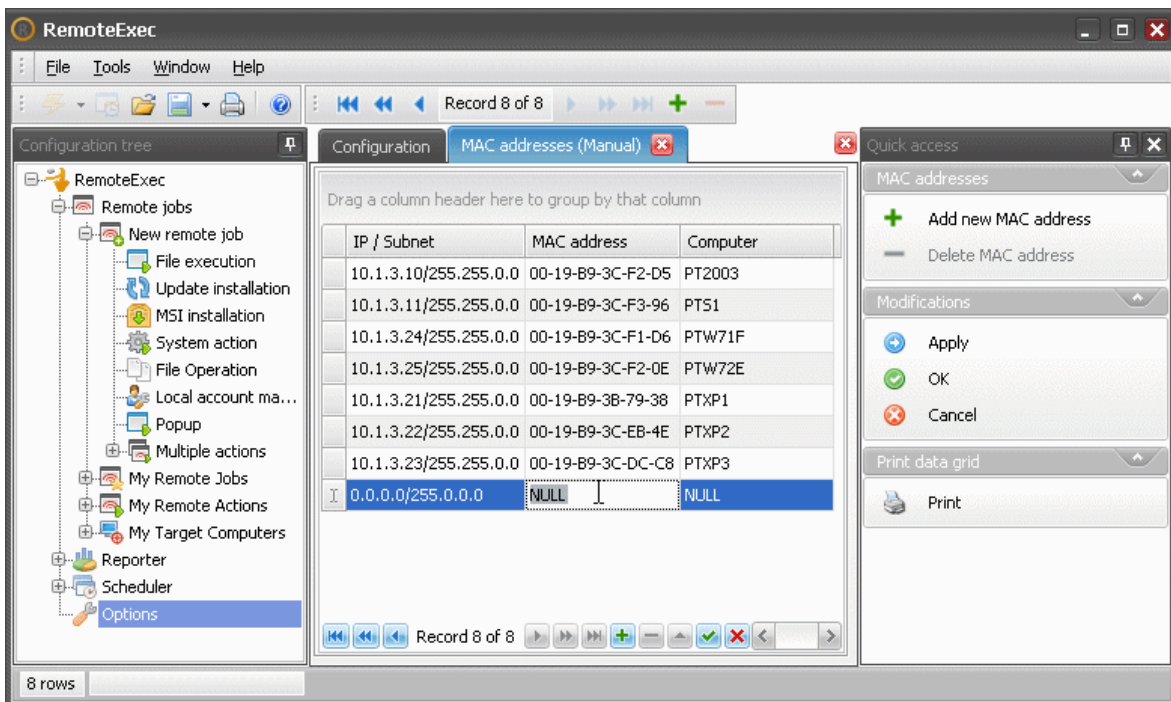
For additional information, please contact IS Decisions at one of the following:

If for any reason, *RemoteExec* is unable to retrieve the *MAC address* from some computers you can add them manually.

Click on *Manually added MAC address* and then *Add new MAC address* in the *Quick access* pane.

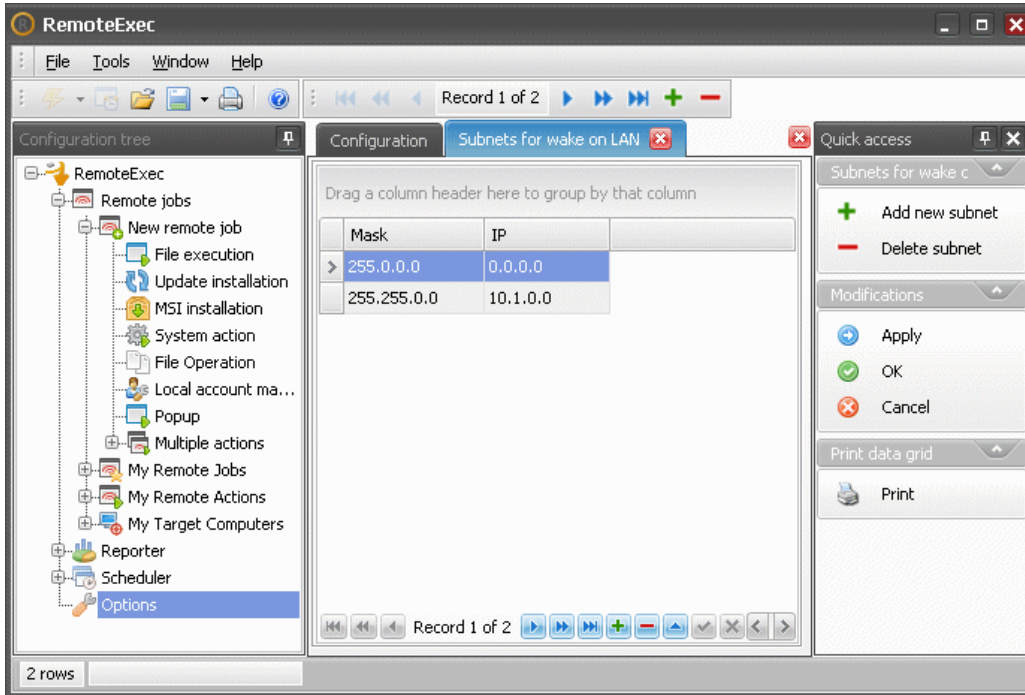


For each *MAC address*, you need to specify the name of the concerned computer, the *MAC address* of course and select the *Subnet* where the computer is located.

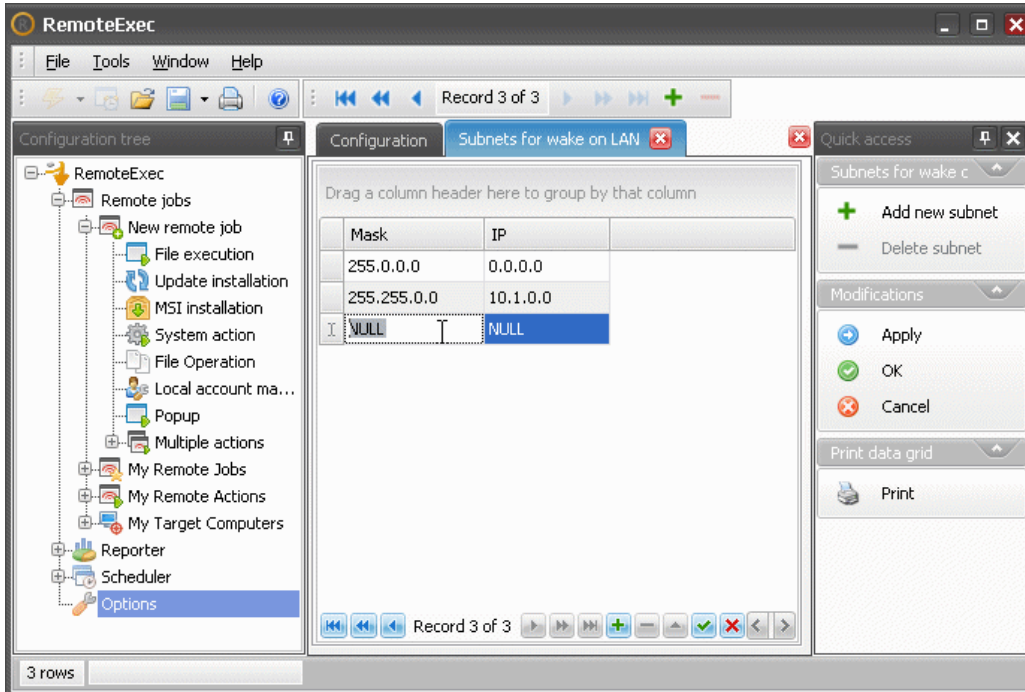


For additional information, please contact IS Decisions at one of the following:

If some *Subnets* are not yet detected, you can add them manually by clicking on *Subnet* and *Add new subnet* in the *Quick access* pane.



For each *Subnet* you need to add the *IP* address and the *Mask*.



You can also configure when *RemoteExec* will automatically scan *MAC* addresses creating a *Scheduled Task* from *System action* (*Get wake up info*).

We advice you to specify a schedule during working hours when most of your computers are available. The scan doesn't use much network bandwidth so this should not be a problem.

For additional information, please contact IS Decisions at one of the following:

3. Examples of Use

3.1. Office 2007 Compatibility Pack deployment

Even if you don't want to acquire *Office 2007* immediately, you may want to deploy the *Microsoft Office 2007 Compatibility Pack*. The pack allows users running older versions of *Office* (2000, XP, 2003) to open, modify and save *Word*, *Excel* and *PowerPoint* documents generated by *Office 2007*.

Procedure to follow:


1. Patch all your computers as recommended by *Microsoft* (see the [download page of the Compatibility Pack](#) for all system requirements).
2. Download the compatibility kit from the [Microsoft Web Site](#).
3. Extract files on a share located on a server (\\ServerName\Share) using the following command line:
FileFormatConverters.exe /extract
4. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/MSI installation*.
5. Select the *Msi* file just extracted on a share ([\\ServerName\Share\O12Conv.msi](#)).
6. Specify *Install* as operation.
7. Optionally select *Don't reboot* in case a reboot is needed and you don't want to do it immediately. You can *reboot_Target computers* later. You can also schedule this *reboot* overnight.
8. Go to the *Target Computers* section and select the computers on which you want to deploy the *Compatibility Pack*.
9. Click *Launch* ⚡ to start the deployment of the *Office 2007 Compatibility Pack* on all these computers.
10. You can follow the progression of the deployment in the *Progress Window*.
11. If you get the error message *Fatal error during the installation* for some computers, this just means that some system requirements are missing for those computers (see the [download page of the Compatibility Pack](#)).

For additional information, please contact IS Decisions at one of the following:

3.2. Microsoft Office 2007 deployment

You can deploy *Microsoft Office 2007* with *RemoteExec*. To do this you need the *Enterprise* version of the *Office 2007 CD*.

Procedure to follow:


1. Check that the *Service pack 2* (or more) and *Windows Installer 3.1* (or more) are installed on all *Windows XP* computers and that the *Service pack 1* (or more) is installed on all *Windows 2003 servers*. (See [Office 2007 requirements](#) for more information).
2. Copy the whole content of the *Office 2007 Enterprise* CD on a share located on a server in order to create an installation point. (Example: \\ServerName\Share\Office2007)
3. Execute from the root of the installation point the following command line to start the *Office Customization Tool: setup /Admin*
Example: \\ServerName\Share\Office2007\Setup.exe /Admin
4. Select *Microsoft Office Enterprise 2007* and click *OK*.
5. In *Licensing and user interface* enter your volume license key⁽¹⁾, check *I accept the terms in the license Agreement*, select *none* as *Display Level*⁽¹⁾, unselect *Completion notice*, select *Suppress modal* and select *No Cancel*.
6. In *Modify Setup properties* add the property *SETUP_REBOOT* and set *Never* as value. The reboot will be managed by *RemoteExec*.
7. Customize the *Office installation* as you need.
8. Save the installation customization in the *Update* folder (.msp file) of the *Office 2007* installation point.
9. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/File execution*.
10. Select the file *setup.exe* located at the root of the *Office 2007 installation point* as file to execute (See the *File execution Actions type*).
Example: \\ServerName\Share\Office2007\Setup.exe
11. Select the *System* context.
12. If a *reboot* is needed and you want to do it immediately after the installation check the *Reboot* option box. Alternatively you can *reboot* your *Target computers* later. You can also schedule this *reboot* overnight.
13. Go to the *Target Computers* section and select the computers on which you want to deploy the *Office 2007*.
14. Click *Launch*  to start the deployment of the deployment of *Office 2007* on all these computers. You can follow the progression of the deployment in the *Progress Window*.

(1) If you don't provide a valid volume license key the setup will fail. As workaround during your tests you can specify *Basic* as *Display Level*. Doing so the installation will succeed even without a license key.

For additional information, please contact IS Decisions at one of the following:

3.3. Play sound files

You can play .wav or .mp3 files on remote computers with *RemoteExec*.


1. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/File execution*.
2. Enter the path to the .wav file in the *File* field.
3. Choose the *Auto* mode (See *optimization rules*).
4. Go to the *Target Computers* section and select the computers on which you want to play the sound file.
5. Click *Launch*  to execute the deployment.

Warning! The remote process will return an exit code if no sound card is available on the remote computer.

For additional information, please contact IS Decisions at one of the following:

3.4. Registry updates

With *RemoteExec*, you can easily modify the registry on a lot of computers in one pass:


1. Create a *.reg* file with all registry key updates to do.
2. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/File execution*.
3. Insert the path of your *.reg* file in the *File* field.
4. Choose the auto mode (see *optimization rules*).
5. Go to the *Target Computers* section and select the computers on which you want to modify the registry key/value.
6. Click *Launch*  to execute the deployment.

Warning! If the reg file change the HKEY_LOCAL_MACHINE or the HKEY_CLASSES_ROOT hive *RemoteExec* will run the reg file with the *administrative* context but if the reg file change the HKEY_CURRENT_USER hive (user profile) the reg file will be executed with the *interactive* context in order to update the profile of the logged on user.
If you specify both kind of registry hive in the reg file the *administrative* context will be used and no user profile (HKEY_CURRENT_USER) will be updated.

For additional information, please contact IS Decisions at one of the following:

3.5. Sun Java runtime deployment

3.5.1. Version 6

1. Download the offline installation package from the [Java Web Site](#).
2. Install it on a computer.
3. Locate the *Msi* and associated files on the following paths:
Windows 2000/XP
C:\Documents and Settings\
Vista/Seven
C:\Users\
The last figures will be different regarding the version.
4. Copy the files contained into this folder to a network share.
5. Open *RemoteExec* and select *Msi installation* in *New Remote Job*.
6. Specify the path to the *Msi* file.
7. Select *Install* as operation.
8. Optionally, you can specify these following properties in the *Argument(s)*:
ADDLOCAL=ALL If you want to install all features
IEXPLORER=1 If you want to register the runtime in *Internet Explorer*
NETSCAPE6=1 If you want to register the runtime in *Netscape*
MOZILLA=1 If you want to register the runtime in *Mozilla/Firefox*
JAVAUPDATE=0 If you don't want that your users will be prompted to download and install updates.
9. Select *Only if needed*.
10. Go to the *Target Computers* section and select the computers on which you want to install *Java runtime*.
11. Click *Launch*  to execute the deployment.
12. Enter your password (if asked). The deployment will then start and you will be able to follow the progression in the *Progress Window*.

For additional information, please contact IS Decisions at one of the following:

3.5.2. Old version 5

1. Download the old offline installation package from the [following page](#).
2. Install it on a computer.
3. Locate the *Msi* file on the following paths:

Windows XP


`C:\Documents and Settings\<User>\Local Settings\Application Data\{3248F0A6-6813-11D6-A77B-00B0D0150000}`

Windows 2000

`C:\Documents and Settings\<User>\Application Data\{3248F0A6-6813-11D6-A77B-00B0D0150000}`

The last 6 digit of the folder will differ according to the release number.


4. Copy the *Msi* file to a network share.
5. Open *RemoteExec* and select *Msi installation* in *New Remote Job*.
6. Specify the path to the *Msi* file.
7. Select *Install* as operation.
8. Select *Only if needed*.
9. Optionally, you can specify the following properties in the *Argument(s)*:

ADDLOCAL=ALL If you want to install all features
IEXPLORER=1 If you want to register the runtime in *Internet Explorer*
NETSCAPE6=1 If you want to register the runtime in *Netscape*
MOZILLA=1 If you want to register the runtime in *Mozilla/Firefox*
JAVAUPDATE=0 If you don't want that your users will be prompted to download and install updates.
10. Go to the *Target Computers* section and select the computers on which you want to install *Java runtime*.
11. Click *Launch*  to execute the deployment.
12. Enter your password (if asked). The deployment will then start and you will be able to follow the progression in the *Progress Window*.

For additional information, please contact IS Decisions at one of the following:

3.6. Acrobat Reader Deployment

3.6.1. Acrobat Reader X (v10)

1. Download the full package of *Acrobat Reader* from the [Adobe web site](#). The name of the file is *AdbRdr1000_en_US.exe*.
2. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/File execution*.
3. Specify the package path into the *File* field.
4. Type the *arguments* in *Argument(s)* to run the installation silently “/sPB /rs”.
5. Keep the *Administrative* context and make sure that the *Auto* option is selected in order to automatically optimize some settings.
6. Go to the *Target Computers* section and select the computers on which you want to install *Acrobat Reader*.
7. Click *Launch*  to execute the deployment.
8. The deployment will then start and you will be able to follow the progression in the *Progress Window*.
9. The deployment of *Acrobat Reader* is fully described in the *Getting started guide*. We invite you to read this document to have more details.

For additional information, please contact IS Decisions at one of the following:

3.6.2. Old Acrobat Reader versions

This procedure shows you how to deploy the **old versions 7, 8 and 9**.

1. Download an old version of *Acrobat Reader* from [Adobe Web Site](#). Install it on one computer.
2. Check that install files are then located in:

For Acrobat Reader 7

C:\Program Files\Adobe\Acrobat 7.0\Setup Files\RdrBig705\ENU

The path may change a little according to the version and the language

For Acrobat Reader 8

C:\Program Files\Adobe\Reader 8.0\Setup Files\{AC76BA86-7AD7-1036-7B44-A80000000002}

For Acrobat Reader 9


C:\Program Files\Adobe\Reader 9.0\Setup Files\{AC76BA86-7AD7-1036-7B44-A91000000001}

3. Create the administrative installation on a server share by starting the following command line from the previously specified folder:

For Acrobat Reader 7 *setup /a*


For Acrobat Reader 8 *msiexec /a AcroRead.msi*

For Acrobat Reader 9 *msiexec /a AcroRead.msi*

4. Open *RemoteExec* and select *Msi installation* in *New Remote Job*.
5. Specify the path to the *Msi* file on the administrative installation
(Examples: *\\Server\AcrobatReader\Adobe Reader 7.0.5.msi*, *\\Server\AcrobatReader\AcroRead.msi*)
6. Select *Install* as operation.
7. Select *Only if needed*.
8. Go to the *Target Computers* section and select the computers on which you want to install *Acrobat Reader*.
9. Click *Launch*  to execute the deployment.
10. Enter your password (if asked). The deployment will then start and you will be able to follow the progression in the *Progress Window*.


For additional information, please contact IS Decisions at one of the following:

3.7. WinRar deployment

1. Download *WinRar 3.x* from [Winrar Web Site](#).
2. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/File execution*.
3. Specify the package path into the *File* field. (Example C:\MySetups\wrar342fr.exe)
4. Type the *arguments* in *Argument(s)* to run the installation silently "-s".
5. Keep the *Administrative* context and make sure that the *Auto* option is selected in order to automatically optimize some settings.
6. Go to the *Target Computers* section and select the computers on which you want to install *WinRar*.
7. Click *Launch*  to execute the deployment.
8. The deployment will then start and you will be able to follow the progression in the *Progress Window*.

For additional information, please contact IS Decisions at one of the following:

3.8. PowerPoint viewer 2007 deployment


1. Download the package *ppviewer.exe* from the [Microsoft Web Site](#).
2. Extract the *Msi* file to a network share with the following command line:
PowerPointViewer.exe /extract:{PATH} {PATH} is the path of the folder where you want to extract it.
3. Open *RemoteExec* and select *Msi installation* in *New Remote Job*.
4. Specify the network path to the *Msi* file (*ppviewer.msi*).
5. Select *Install* as operation.
6. Select *Only if needed*.
7. Go to the *Target Computers* section and select the computers on which you want to install it.
8. Click *Launch*  to execute the deployment.
9. Enter your password (if asked). The deployment will then start and you will be able to follow the progression in the *Progress Window*.

In the same way you can deploy:

- The *Word viewer* [Download link](#)
- The *Excel viewer* [Download link](#)

For additional information, please contact IS Decisions at one of the following:

3.9. FireFox deployment

1. Download *FireFox* from the following [Mozilla Web Site](#).
2. Open *RemoteExec* and in the *Configuration tree* go to *Remote Jobs/New Remote Job/File execution*.
3. Specify the path to the package in the *File* field (Example C:\MySetups\Firefox Setup 3.0.6.exe)
4. Specify *-ms* in the *Argument(s)* field to make the package silent.
5. Select the *Administrative* context.
6. Select the *Auto* check box in order to automatically optimize some settings.
7. Go to the *Target Computers* section and select the computers on which you want to install it.
8. Click *Launch*  to execute the deployment.
9. The deployment will then start and you will be able to follow the progression in the *Progress Window*.

For additional information, please contact IS Decisions at one of the following:

3.10. Internet Explorer 8 deployment


If you want to deploy *Internet Explorer 8* on your *Windows* systems,, you can do it easily with *RemoteExec*.

Procedure to follow:

1. Download all versions of *Internet Explorer 8* you need to deploy (according to the version and the language of your target operating systems) from the following link:
<http://www.microsoft.com/windows/internet-explorer/worldwide-sites.aspx>
2. Open *RemoteExec* and browse the *Configuration Tree* until *Multiple actions* type.
3. Click on the *Add Files to execute/deploy* button and select all files you have just downloaded.

Examples:

IE8-WindowsXP-x86-ENU.exe
IE8-WindowsServer2003-x86-ENU.exe
IE8-WindowsServer2003-x64-ENU.exe
IE8-WindowsVista-x86-ENU.exe
IE8-WindowsVista-x64-ENU.exe


4. All files are automatically detected as an *Internet Explorer* update and the *Filter* for each file is automatically configured to only install it on a matching operating system.
5. Optionally configure a *reboot* at the end of the sequence (see *System Action*). Alternatively you can *reboot* your *Target computers* later. You can also schedule this *reboot* overnight.
6. Go to the *Target Computers* section and select the computers on which you want to install it.
7. Click *Launch*  to execute the deployment of *Internet Explorer 8*.
8. The deployment will then start and you will be able to follow the progression in the *Progress Window*.

For additional information, please contact IS Decisions at one of the following:

3.11. Defragment many computers

With *RemoteExec* you can defragment many computers in one pass using the defragmentation command line tool.

Please follow these steps:

1. Select *File execution* as action type in the *Configuration tree*.
2. Specify *defrag* as file to execute.
3. Specify the volume you want to defragment using his letter associated with a colon as *Argument(s)*. (Example "c:")
4. Check the *Console* box if you want to see the execution progress in *RemoteExec*.
5. Specify *Windows XP or more (>=)* as matching *Operating system* in the *Filter tab* to avoid starting the execution on unsupported computers.
6. Go to the *Target Computers* section and select the computers on which you want to defragment the desired volume.
7. Click *Launch*  to execute the defragmentation.
8. You can then follow the progression in the *Progress window* and in the *RemoteExec* console.

Warning! Running a defragmentation during the working hours when users are logged on will disrupt production. We advise you to schedule this type of operation. You can find an example in the *Getting started guide* to see how to do it.

For additional information, please contact IS Decisions at one of the following: