RM CC3 Networking Guide

Installing to RM CC3 Server

1. Log into the server as 'systemadmin' user.
2. Carry out steps 1-4 as per normal standalone installation.
3. Click the 'Server' option to highlight it and click the [NEXT] button.
4. You are now presented with the 'Installation Destination Screen'. Click the [BROWSE] button to navigate to the publicly shared, *full-access* partition on the server, which is 'D:/RMPublic'.
5. Ensure that a meaningful folder name is entered as well, e.g. 'Scientifica', and click the [NEXT] button to advance to the 'Teacher Password' screen.
6. Choose a password that all teachers will use to enter the teacher area and click [NEXT] once more. Remember it!
7. You are now presented with the 'Server Settings' screen. Enter the IP address of the RM server that you are installing to. **NB. Ensure that you DO NOT include '\ \' before entering the IP address.**

NB. If you do not know the IP address of the RM server, open a DOS/command prompt window from 'Start -> Programs -> Accessories -> Command Prompt'. Enter 'ipconfig' and press the [RETURN] key. You should be returned a list containing two IP addresses. The second IP address in the list is the IP address that the RM workstations attached to the RM server use, so this is the IP address that should be entered.

8. Leave the 'Port' details as '8080' unless you know that your RM server has a different port set as the HTTP-port.
9. Enter the IP address (as determined above) into the last field, 'Path', with the name that you wish the shared directory to be known as. This **must** be shared as 'Scientifica'. **NB. Ensure that you DO include '\ \' before entering the IP address.**
10. Click [NEXT] and double-check that all settings are correct before clicking [NEXT] again to begin the installation.
11. Once the installation is complete, click the [FINISH] button and [CLOSE] once returned to the 'Installation Menu'.

Installing to RM CC3 Workstation

The RM packages for 'Java 1.42 Runtime Environment' and 'Macromedia Flash 7 Player' are available to download from the Nelson Thornes website. If these have been downloaded then carry out the following steps to install them to the RM server and make them available for reallocation to workstations:

1. Copy the 'Java 1.42 Runtime Environment' and 'Macromedia Flash 7 Player' packages to the server where all other packages are stored. This is typically on the 'D:\' partition.
2. Run 'RM Management Console' and highlight 'Main Site'.
3. Click the [UPDATE PACKAGE LIST] button on the top tool bar to scan the package directory and update the list of available packages for reallocation.
4. Run 'RMAppGPOUpdateUtility.exe' to rescan all the package directories for 'WriteAccess.ini' files and update the relaxing of policies as desired.
5. These packages will now appear in the 'Available packages' list to be applied to workstations as normal.
6. Once these packages have been applied, go to the section below **Creating and applying the *Just Click* - *Scientifica* Client package**, ignoring the instructions for Creating Java and Macromedia Flash packages, as this has already been done with this method.

Creating Java and Macromedia Flash packages

If you do not use the 'Java 1.42 Runtime Environment' and 'Macromedia Flash 7 Player' packages available to download from the Nelson Thornes website you will need to create the packages as described below.

NB. RM Application Wizard has been updated recently from v1 to v2. The major change is that RM Administrators will not be able to create packages using this tool unless a clean image has been rebuilt to the relevant workstation, under the 'PackageBuild' area, rather than 'Main Site' area. In order to create the package under RM Application Wizard v2, all elements will have to be installed at once. All the steps below are still relevant but the created package will contain the Java, Flash and the *Just Click – Scientifica* Client application all in one, rather than as individual packages.

- Java 1.42 Runtime Environment
  1. Log into the workstation as the 'packagebuilder' user.
  2. Run RM Application Wizard to carry out the pre-scan, ensuring that the location where the package will be created is where all RM packages are stored on the server.
  3. Once this is complete, run the installation for the 'Java 1.42 Runtime Environment' as normal, using default installation options.
  4. With the Java successfully installed, run the post-scan to create the package.
  5. Once the package is complete, the workstation will need to be rebuilt with the clean image, as mentioned above, before moving onto creating the 'Flash 7 Player' package.

- Macromedia Flash 7 Player
  1. Run RM Application Wizard to carry out the pre-scan, ensuring that the location where the package will be created is where all RM packages are stored on the server.
  2. Once this is complete, run the installation for the 'Flash 7 Player' as normal, using default installation options.
  3. With the Flash 7 Player successfully installed, run the post-scan to create the package.
  4. Once the package is complete, the workstation will need to be rebuilt with the clean image, as mentioned above, before moving onto **Creating and applying the *Just Click – Scientifica* Client package.**

Creating and applying the *Just Click – Scientifica* Client package

1. Although a clean image should be used to create packages, the Java element must be present in order to install the *Just Click – Scientifica* Client application. Therefore once the kit has been rebuilt, apply the newly created Java 1.42 Runtime Environment package to the workstation and restart before beginning. **NB. Not applicable for RM Application Wizard v2 (see box on page 2 for more details).**
2. Run RM Application Wizard to carry out the pre-scan, ensuring that the location where the package will be created is where all RM packages are stored on the server.
3. Once this is complete, carry out steps 1-4 as per standalone installation.
4. Click the 'Client' option to highlight it and click the [NEXT] button.
5. Click the [NEXT] button to choose the default installation location.
6. Enter the IP address of the RM server that the server installation was carried out on. **NB. Do not include '\ \'**
7. Ensure that the port number matches the port number entered at the server installation stage and click [NEXT].
8. Check that the settings are as intended and click [NEXT] again.
9. Once the installation has completed, run the post-scan of RM Application Wizard to complete the package creation.

In order to be able to successfully log into *Just Click – Scientifica* from the client installation, there are minor changes that need to be made to the registry of the workstation. This is achieved by carrying out a pre- and post-scan using ACL Detective, provided as an RM Networks tool. Follow these steps to create a 'WriteAccess.ini' file that is included with the newly created package:

1. Still logged into the workstation as 'packagebuilder' user, launch the ACL Detective tool and carry out a pre-scan of the system.
2. Once the pre-scan is complete, launch the *Just Click – Scientifica* Client application on the workstation and try to enter as a student and a teacher, using the password entered during the server installation.
3. An error message will be displayed that reads:

"com.sun.xml.messaging.saaj.SOAPExceptionImpl:messaging.saaj.SOAPExceptionImpl: Message send failed"

4. Click [OK] to the error message and close the application.
5. Run the post-scan of ACL Detective.
6. Once this is complete, a file named 'WriteAccess.ini' will be created in the package folder on the server. Navigate to the file and edit it with Notepad.
7. The 'WriteAccess.ini' file will contain registry entries that ACL Detective has deemed changed/amended between the pre- and post-scan. These will have a Hexadecimal (HEX) value of '0x3003F'.
8. Change the HEX value for each entry that matches the value above to '0xF003F'. **NB. Do NOT change any of the other HEX values that do not match '0x3003F'.**
9. Save the changes made to 'WriteAccess.ini'.
10. Run 'RMAppGPOUpdateUtility.exe' to rescan all the package directories for 'WriteAccess.ini' files and update the relaxing of policies as desired.
11. Using 'Add/Remove Programs' on the workstation, remove the installed *Just Click – Scientifica* Client application.
12. Using the RM Management Console, apply the newly created package to the workstation and restart the workstation.
13. Once the workstation has restarted and the package is applied, log into the workstation as 'packagebuilder' user.
14. Launch the *Just Click – Scientifica* Client application again and check that you can log in successfully.
15. ACL Detective will have to be run again to update the 'WriteAccess.ini' file with the successful login and the resultant further changes/amendments to the

registry. Carry out steps: 1 & 2 and 5-13 as above to enable resources to be displayed as intended.