

# Agent Monitor for Domino

Release 4.02

## Installation Guide



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## INTRODUCTION

Thank you for choosing to use the Agent Monitor for Domino (formerly IBM Lotus Domino) produced by AGECOM. This guide provides the following information:

- Installing and configuring the application.
- Troubleshooting if you experience any problems.
- Product licensing
- Scheduling scanning of databases for agents.
- Requesting assistance.

## REQUIREMENTS

This application requires a minimum of Notes / Domino release 6.x. All versions from release 6.x through to 11.x are fully supported.

The following minimum Notes client releases are supported for use with this product:

- |               |                |               |               |
|---------------|----------------|---------------|---------------|
| • Notes 11.x: | Release 11.0.0 | • Notes 8.0x: | Release 8.0.2 |
| • Notes 10.x: | Release 10.0.1 | • Notes 8.5x: | Release 8.5.1 |
| • Notes 9.x:  | Release 9.0.1  | • Notes 7.x:  | Release 7.0.4 |
|               |                | • Notes 6.x:  | Release 6.5.6 |

Notes / Domino release 5.x or earlier is not supported.

A minimum version of Notes / Domino 8.5.3 with Fix Pack 2 is recommended.

### Notes Client supported configurations:

- Microsoft Windows 7, Windows 8, Windows 10
- Macintosh (PowerPC, Intel)
- Minimum recommended workstation memory: 4Gb

### Domino Server supported configurations:

- Domino 32-bit and 64-bit servers are supported.
- Microsoft Windows Server versions: 2003, 2008, 2012, 2016.
- Minimum recommended server memory: 8Gb

**Important note regarding Domino 10.x** - this application is currently not supported for Domino 10.x (64-bit) due to a regression in that version causing the server to crash. This regression has been fixed in Domino 11.x.

## ABOUT THE APPLICATION

The Agent Monitor for Notes / Domino enables you to monitor, report on, and manage all agents in all databases on your Domino server. It supports agents created with Notes / Domino release 4.x through to release 9.x.

Using this application the following tasks can be performed on agents directly from the Notes Client (without the need for the Designer or Administrator clients):

- Scan all or selected databases and build a list of agents in those databases (both Shared & Private agents).
- View agent schedule information, the servers/databases they run on and their schedule frequency.
- Enable / Disable scheduled agents.
- Scan for and cleanup orphaned agent data notes.
- Check for databases with background / scheduled agents disabled in database properties.
- Remove agents from databases.
- View agent log and run information.
- Change agent schedule information - time of day, weekly, monthly, etc.
- Enable / Disable agent flags (eg. running an agent as a web user, Available to Public Access Users, etc).
- Change agent design properties.
- Re-sign agents.
- View additional summary information for agents.
- Change other agent settings / flags that you can normally only do with the Domino Designer client.
- You can specify which directories to check (or ignore) when scanning databases for agents.
- And more....

The following reports are available:

- Agents which experienced an error on their last run.
- Scheduled agents which missed their last scheduled run.
- Orphaned agent data notes in databases.

Additional information about this application can be found in the 'Help – About' and 'Help – Using' documents of the application itself.

## BEFORE BEGINNING THE INSTALLATION

BEFORE proceeding with the installation of this application it is strongly recommended you read the 'Appendix C – Notes Security' section of this guide. It contains important information on security features of the Notes client you may encounter during installation and what you should do when you encounter them. Failure to understand the security features or selecting incorrect security alert responses during the installation process will cause the installation to fail.

## INSTALLING THE AGENT MONITOR

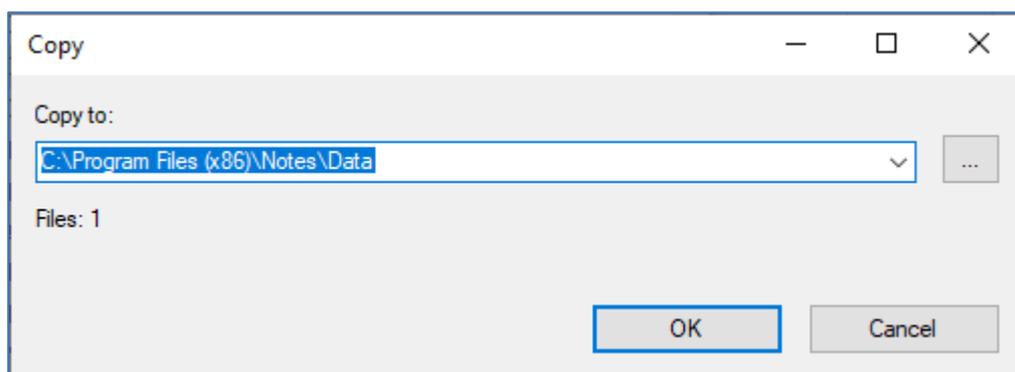
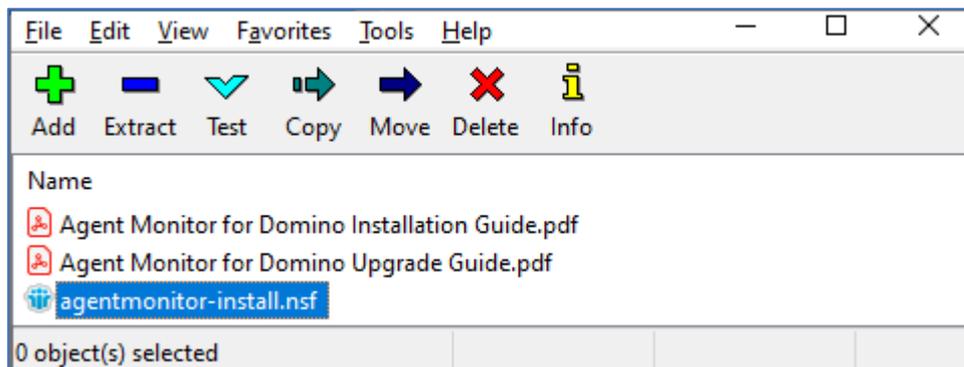
The following sections describe the steps to install this application to your Notes client or your Domino server.

### EXTRACT THE INSTALLER FILE

The first step to installing the application is to download the installation file from the AGEKOM website. Once you've downloaded it extract the application installer file (agentmonitor-install.nsf) from the zip file.

The file may be extracted to any folder on your local workstation. If you choose to extract it to your Notes data folder it is strongly recommended you shutdown your Notes client first.

**DO NOT launch the Installer NSF directly from the zip file otherwise the installation will fail.**



## RUNNING THE INSTALLATION

The automated installation will perform the following tasks:

- Install the application to the specified server / filepath.
- Install help documentation.
- Sign all design elements and documents.
- Configure the Access Control List.
- Provide you with an option to install the product license.
- Provide you with an option to setup the application configuration settings.

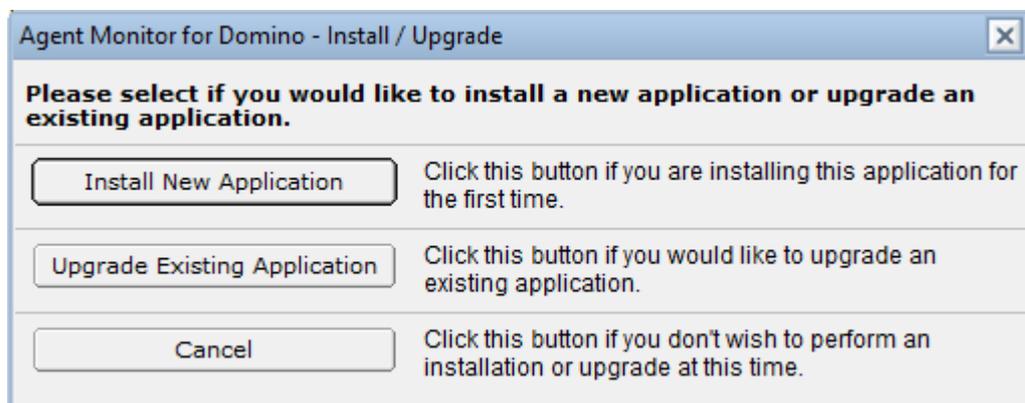
After you have downloaded and extracted the installer file it should now be opened. Select the following menu item applicable to the version of Notes you are using:

- Notes 9x: File -> Open -> Notes Application
- Notes 8x: File -> Application -> Open
- Notes 7x: File -> Database -> Open

If you extracted the installer to your Notes data folder scroll down the list of local databases and locate the 'Agent Monitor for Domino Installer' file. If it doesn't appear in the list enter the filename of the installer file: agentmonitor-install.nsf.

If you extracted the installer to another folder then click the Browse button in the 'Open Application' dialog box and locate the installer file.

After locating or entering the installer filename click the 'Open' button. The following box should now be displayed on the screen:

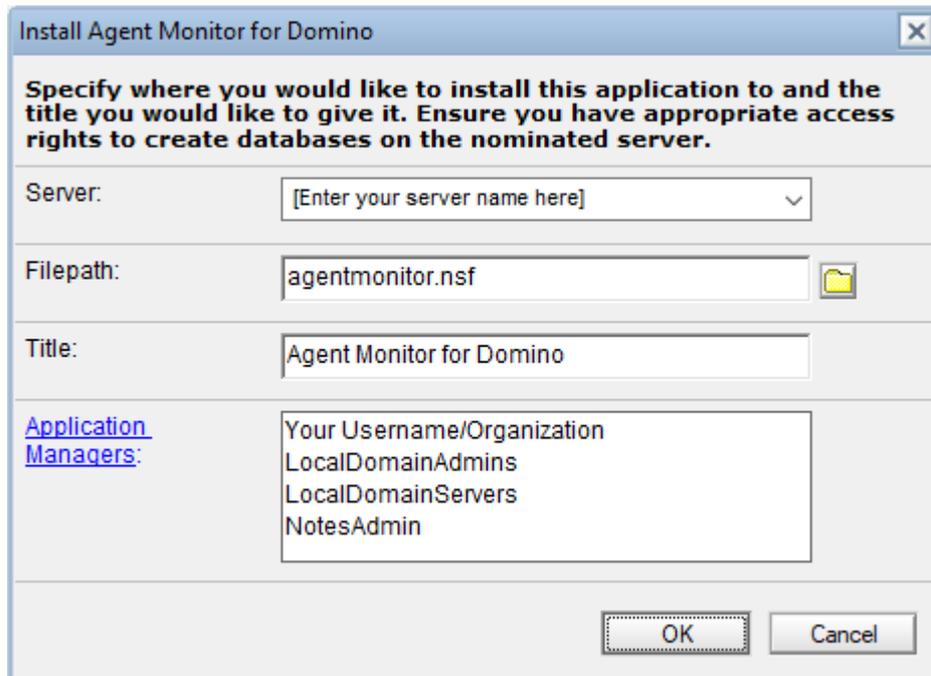


Click on the 'Install New Application' button.

If the above box doesn't display then select the 'Install New Application' option from the left-hand navigation pane of the installer file as shown below.



The following screen should now be displayed:

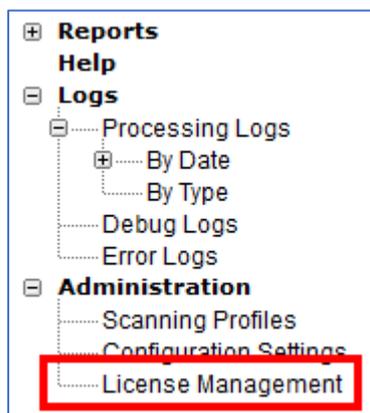


Select or enter the name of the Domino Server to install the application on, the filepath for the application and the title you would like to assign to it.

The default list of names and groups that will be assigned Manager access to the application is displayed. Click on the 'Application Managers' label to customize the list of Managers.

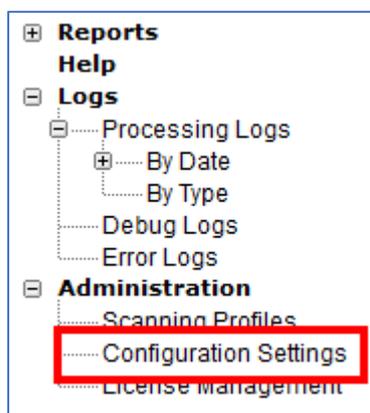
When all information has been completed click the 'Ok' button. The progress of the installation will be displayed on the Notes client status bar and in the Progress window.

When the installation has completed you will be prompted to install the product license key. If you already have a product license key click the 'Yes' button to install it. If you don't have a license key or you would like to install it later select 'No'. License keys can be installed at any time by selecting the *License Management* option from the application navigation menu:



Please refer to the License Key Management section of this installation guide for more information on installing and managing licenses.

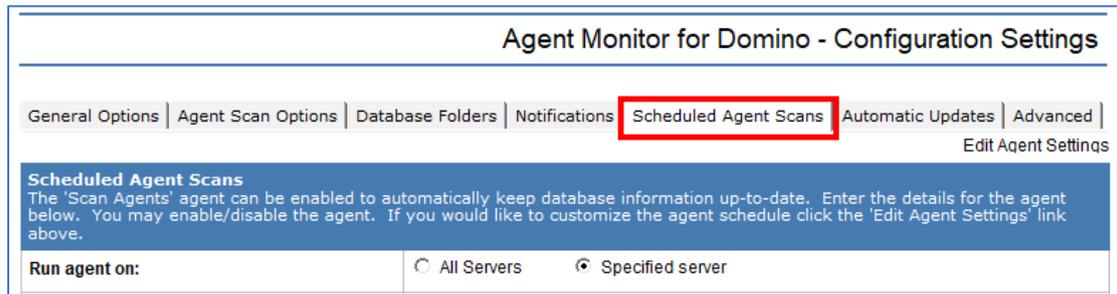
When the About screen of the newly installed application opens you will be prompted to setup the application configuration settings. Click 'Yes' to setup the application configuration settings now, or 'No' to do it later. You can configure and change the application settings at any time by selecting the *Configuration Settings* option from the application navigation menu:



This completes the installation of the application and it's now ready for use. You should continue with reading through the rest of this guide for additional information on setting up and using the application, running scheduled scans of databases for agents and what to do if you encounter any problems.

## SETTING UP AGENT MONITORING

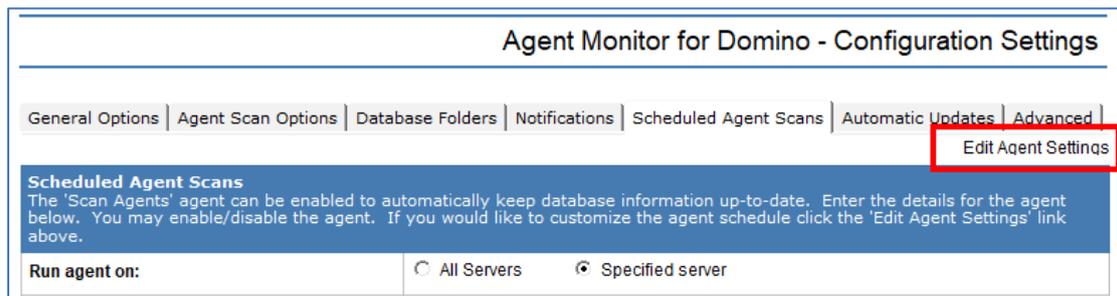
If you would like to regularly monitor agents in databases the 'Scan Agents' agent must be enabled. This can be enabled / disabled by selecting the 'Configuration Settings' option and going to the 'Scheduled Agent Scans' section.



The screenshot shows the 'Agent Monitor for Domino - Configuration Settings' interface. The 'Scheduled Agent Scans' tab is highlighted with a red box. Below the tabs, there is a blue header for 'Scheduled Agent Scans' with a brief description. At the bottom, there is a 'Run agent on:' section with two radio button options: 'All Servers' and 'Specified server'.

Agent Monitor for Domino - Configuration Settings	
General Options	Agent Scan Options
Database Folders	Notifications
<b>Scheduled Agent Scans</b>	Automatic Updates
	Advanced
<a href="#">Edit Agent Settings</a>	
<b>Scheduled Agent Scans</b>	
The 'Scan Agents' agent can be enabled to automatically keep database information up-to-date. Enter the details for the agent below. You may enable/disable the agent. If you would like to customize the agent schedule click the 'Edit Agent Settings' link above.	
Run agent on:	<input type="radio"/> All Servers <input checked="" type="radio"/> Specified server

By default the scheduled scanning of agents is set to run daily at 1am. You can, however, customize the schedule by clicking the 'Edit Agent Settings' link in the Scheduled Agent Scans section of the Configuration Settings form.



This screenshot is similar to the previous one, but the 'Edit Agent Settings' link is highlighted with a red box. The 'Scheduled Agent Scans' tab is also highlighted with a red box.

Agent Monitor for Domino - Configuration Settings	
General Options	Agent Scan Options
Database Folders	Notifications
Scheduled Agent Scans	Automatic Updates
	Advanced
<a href="#">Edit Agent Settings</a>	
<b>Scheduled Agent Scans</b>	
The 'Scan Agents' agent can be enabled to automatically keep database information up-to-date. Enter the details for the agent below. You may enable/disable the agent. If you would like to customize the agent schedule click the 'Edit Agent Settings' link above.	
Run agent on:	<input type="radio"/> All Servers <input checked="" type="radio"/> Specified server

Edit Agent Settings
✕

Specify the agent schedule information:

<b>Agent Name:</b>	Scan Agents
<b>Run on Server:</b>	Enterprise/AGE Computer Consultancy ▾
<b>Documents to act on:</b>	All new and modified documents since last run ▾
<b>Schedule:</b>	Daily ▾
<b>Run At:</b>	01:00 AM
<b>Don't start until:</b>	<input type="text" value="16"/>
<b>Stop running on:</b>	<input type="text" value="16"/>
<b>Flags:</b>	<input type="checkbox"/> Don't run on weekends
<b>Runtime security level:</b>	2. Allow restricted operations ▾
<b>Run on behalf of:</b>	<input ]"="" type="text" value=""/>

Update Agent
Close
Help

Agent scans can be performed by each server the Agent Monitor application has been installed on or performed from a central server. Refer to the following sections on setting up scanning of agents.

### SCANNING AGENTS ON MULTIPLE SERVERS

To scan agents in databases across multiple servers the Agent Monitor application should be replicated to each server. The 'Scan Agents' agent should then be set to run on 'All Servers'. This is the recommended and fastest method for scanning agents on multiple servers. Note – a single user license is required for each server that performs agent scans.

## SCANNING AGENTS FROM A CENTRAL SERVER

The Agent Monitor may be installed on a single central server and configured to scan multiple servers for agents. In this scenario it is recommended the central server be an Administrative or Hub server which users don't normally connect to, or a server with a light workload.

The 'Scan Agents' agent may be set to run on 'Any Server' or a specific server (the central server itself). The 'Scan agents on remote servers' option must be set to 'Yes' in the 'Scheduled Agent Scans' section of the Configuration Settings.

A scanning profile document must exist for each server to be scanned. In each scanning profile document the following options must be set in the 'Scheduled Agent Scans' section:

- Run scheduled agent scan on this server – Yes
- Server to perform scan from – Select or enter the name of the central server performing the scan.

**Important Note:** For this feature to function correctly you will need to ensure the central server performing the scan has been added to the 'Trusted Servers' field in the server document of all servers it will be accessing. Please refer to the Domino Administrator help database for more information regarding Trusted Servers.

## NATIVE / COMPATIBILITY MODE

The Agent Monitor can scan agents in databases using Native or Compatibility mode.

Native mode is applicable to Notes Clients and Domino servers (32-bit) running on a supported Windows operating system. In Native mode the Agent Monitor uses C-API calls to retrieve settings for agents.

Compatibility mode is applicable for Domino servers running on any other operating system that is supported for the version of Notes / Domino installed. It is also applicable for a Domino 64-bit server running on Windows.

Please refer to the chart below to determine the correct mode for you.

	Windows	Macintosh	Other Operating System
Notes Client	Native	Native	Compatibility
Domino Server 32-bit	Native	Not Applicable	Compatibility
Domino Server 64-bit	Compatibility	Not Applicable	Compatibility

The Agent Monitor will normally determine the correct mode to operate in however you can force a specific mode by editing the 'Advanced' section of the Scanning Profile document for the Notes Client or Domino server the scanning of agents is being performed from. Please refer to the Scanning Profiles section of this guide for more information.

## SCANNING PROFILES

Scanning Profile documents are used for configuring the settings to be used when scanning agents on a Domino server or from a Notes client.

These settings override the default settings for the application (set in the '*Configuration Settings*' document).

If a scanning profile doesn't exist for a server or user when a database scan is performed it is automatically created. The default settings for the profile are taken from the settings currently specified in the '*Configuration Settings*' document.

Settings which can be configured in the scanning profile are:

- Types of agents to check for.
- Databases to include or exclude from scanning.
- Scanning of orphaned agent data notes.
- Logging and Debugging log levels.
- Users / groups to send notifications to.
- Scanning agents in databases across multiple servers.
- Whether to perform scanning in Native or Compatibility mode.

## CHECKING FOR PRODUCT UPDATES

To check if updates are available for this application select 'Actions' from the Notes client menu, then select 'Upgrade -> Check for Update'. This will immediately connect to the developer's website & check if an update is available. If you connect to the Internet through a proxy server you can specify the proxy server settings in the '*Configuration Settings*' document of the application.

Automatic checking for product updates can also be specified in the Configuration Settings document.

## LICENSE KEY MANAGEMENT

If you have purchased a license for this application the product license key will be sent to you by email and must be imported to enable product activation. You can also view and download your keys directly from the product developer's website.

### IMPORTING LICENSE KEYS

To import your license key follow these steps:

1. Save the license key file you received by email to your local drive.
2. Open the application and select the 'License Management' option which appears under the 'Administration' heading on the left-hand navigation menu. Note: this option will only appear for users who have been included in the 'Admin' role of the application Access Control List (ACL). If you do not see the Administration options please refer to the Troubleshooting section of this guide.
3. Click the 'Import License' button which appears at the top of the License Management view.
4. Locate and select the license key file you saved to your local drive.
5. The license key will be validated before being imported. You will be advised if it's invalid and the import will fail.
6. If the license key is successfully imported it will appear in the License Management view.

### EVALUATION MODE

If no license keys have been added to the application it will automatically run in evaluation mode. Additionally if the application is used by a user or server for which no license key exists it will also run in evaluation mode.

### REQUIRED LICENSES

To keep track of Notes users or Domino servers using the application for which a license key doesn't exist a log record is written to the License Management view and shown as Unregistered Users. This enables you to easily see which users / servers are using the application and which you may need to order additional licenses for.

### ORDERING ADDITIONAL LICENSE KEYS

If required you can easily order additional license keys through the License Management options. Simply open the License Management view click the 'License Options' button at the top of the view and select 'Request New License' from the dropdown menu. Your web browser should automatically launch and open the product license order webpage.

## INSTALLATION WRAP-UP

You have now completed the installation procedures for the Agent Monitor for Domino. Additional information on setting up and using the application can be found in the 'Help - Using' document of the database or by clicking the 'Help' button which appears at the top of most views and forms.

## TROUBLESHOOTING

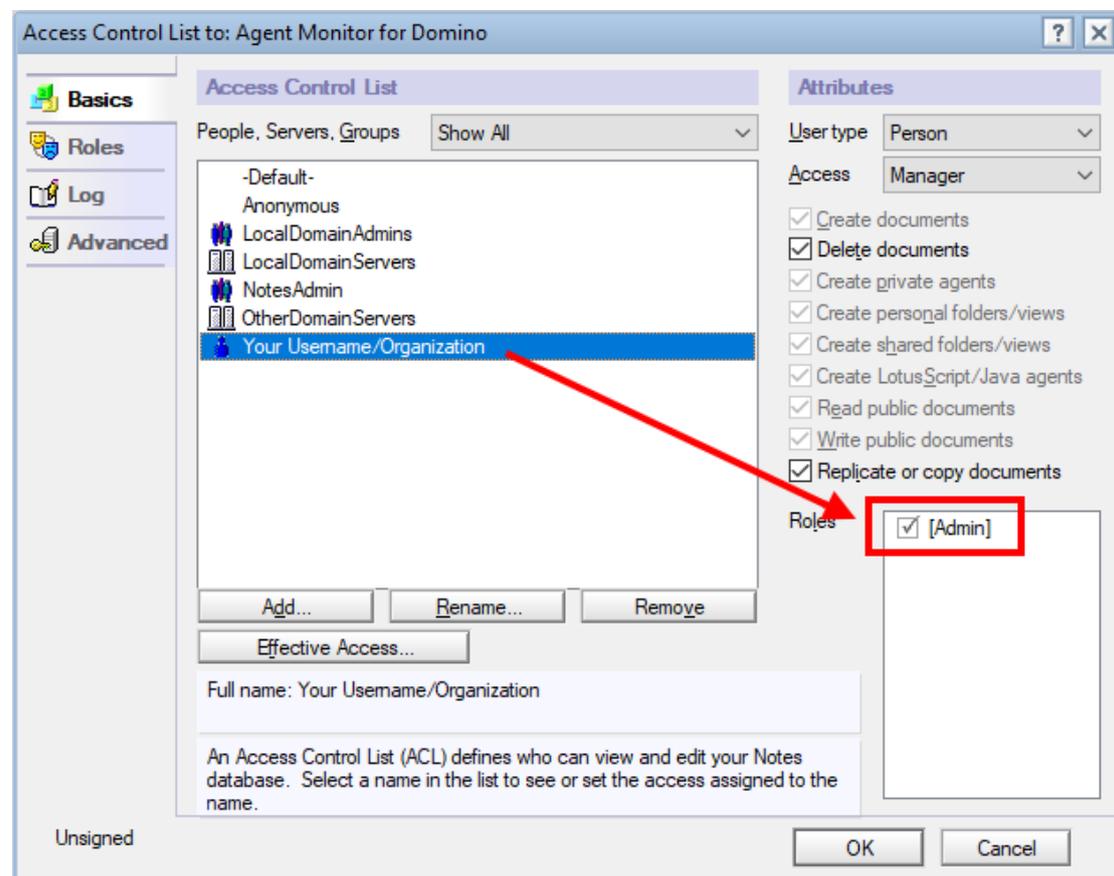
If you are experiencing problems using this application there are several tools and features available to assist you with determining the cause of the problem.

### ADMINISTRATION OPTIONS NOT AVAILABLE

If you do not see the Administration options in the application here are some things to check.

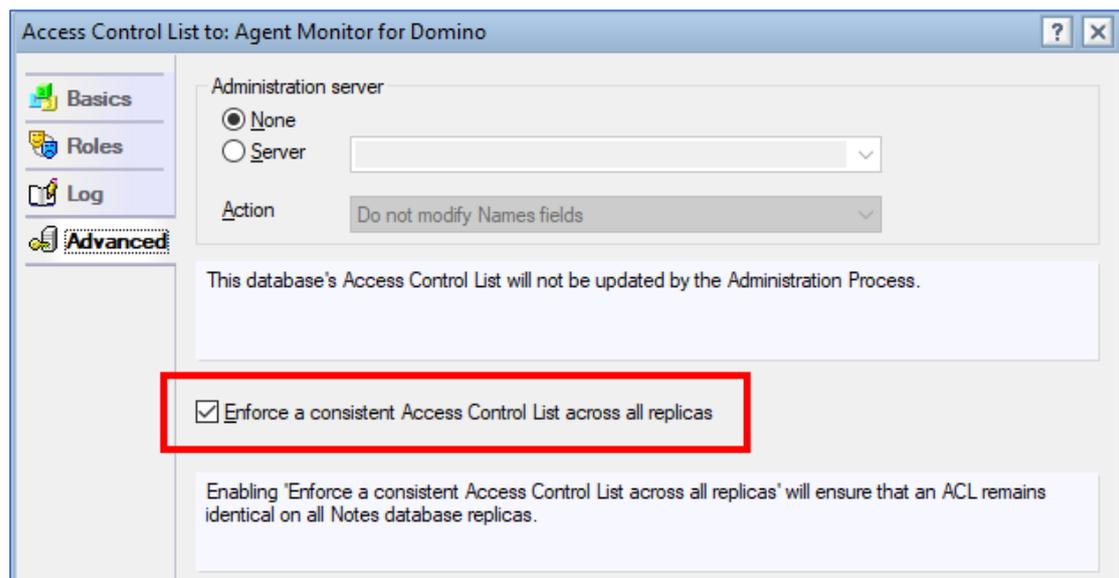
Open the application and select 'File -> Database -> Access Control' from the menu (or 'File -> Application -> Access Control' if you're using Notes 8.x or higher). The Access Control List (ACL) for the application should now be displayed.

Check if your name is listed in the ACL. If it is click on it then check the 'Admin' role name on the right-hand side. Ensure there is a checkmark next to the Admin role name.



If your name is not explicitly listed in the ACL check if there is a group name to which you belong to in the list. If there is click on it and ensure it too has been added to the Admin role.

If you're running the application locally on your Notes client you will need to enable the uniform access control list option. While still having the ACL open click on the 'Advanced' option which appears on the left-hand side of the ACL window. Ensure the 'Enforce a consistent Access Control List across all replicas' option has been enabled.



When you've completed making changes to the ACL completely exit out of the application and then re-open it. The Administrative options should now be available to you.

## PRODUCT LICENSE FAILS TO VALIDATE

This section provides assistance on resolving license key issues when you've correctly imported the product license key into the application and you experience one of the following problems:

- The license fails to validate.
- You get a warning advising the application will run in trial mode.

### ***Are you using the correct application?***

Check the properties of the application to ensure you are actually using the installed application and not the installer file which was downloaded from AGEKOM's website. When you have the application opened select 'File -> Database -> Properties' and check that the server and filename is what you expect.

### ***Have all installation steps been completed?***

Review the steps outlined in the 'Installing the Agent Monitor' section of this application to ensure you have correctly completed all the steps. Specifically have you 'Signed' the application with a Notes ID which is trusted in your Domino Domain?

### ***Are you using the correct Notes ID?***

If you get a warning advising a valid license wasn't found and the application will run in trial mode take note of the Notes username shown in the warning message. Do you have a license key for that exact username? If you do then check the License Management view to ensure the license key has been imported. If you don't then switch to a Notes ID for which you have a license key for.

If the incorrect Notes username was supplied at the time you purchased the product license contact AGEKOM Support for assistance. In most cases a new license key will be re-issued with the corrected name.

### ***Did you purchase the correct license key?***

If you purchased an Organizational Unit (OU) license key does it correctly match the OU certifier in your Notes ID? Does your Notes ID actually contain organizational units?

For example a Notes ID of 'Bob Jones/ACME' does not contain any organizational units. It only contains an Organization (ie: ACME). If an OU license was purchased for 'ACME' it will fail to validate. In this instance an Organizational product licenses needs to be purchased.

Using another example of a Notes ID of 'Bob Jones/Marketing/ACME' the OU in this ID is 'Marketing'. Notes ID's can contain up to 4 organizational units. In this instance an OU product license for 'Marketing/ACME' is required.

### ***Is the Java Virtual Machine installed correctly?***

The licensing mechanism of this application requires the Java Virtual Machine (JVM), installed with the Notes client (or Domino server), to be operating correctly. If you suspect a problem with the installation of your Notes client you can try re-installing it. Sometimes old JVM files are left behind when the Notes client is upgraded.

Before performing the re-installation ensure you delete the 'JVM' folder which is located in a sub-folder of the Notes programs folder.

### ***Perform a Java Virtual Machine Test***

The quickest way to test your Notes client JVM is to select 'File -> Tools -> Show Java Debug Console'. If this opens without an error click in the blank part of the console window and press the letter 'V' on your keyboard. This should result in the JVM version information being displayed.

This application also contains a tool to perform a basic test of your JVM. To run it open the copy of this application you have installed on your Notes client or Domino server and select 'Actions' from the Notes menu, then select 'Support' and then 'Test JVM – Notes Client' if you'd like to perform a test of the local Notes client or 'Test JVM – Domino Server' to run a remote test on the Domino server. This will run the basic JVM test and advise you of the results. If a problem is found you'll be provided with information and options to assist with resolving the problem.

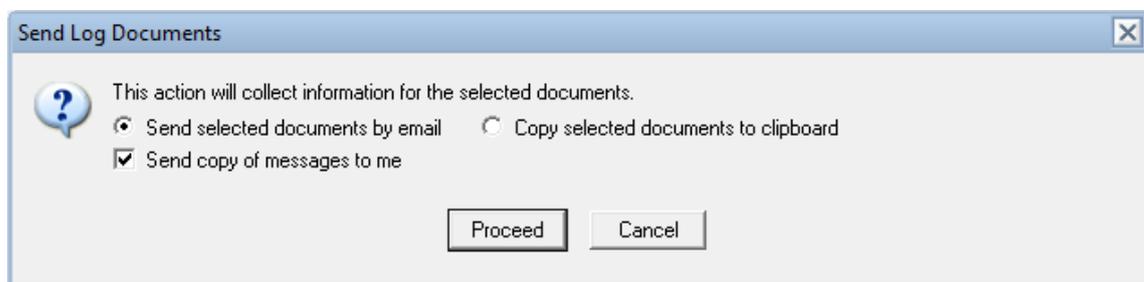
## ERROR LOGS

Whenever an error occurs while using this application an error log document is created with detailed information about the error and where it occurred during processing. These error logs can be viewed by selecting the 'Error Logs' option which appears under the 'Logs' heading on the left-hand navigation pane of the application.

To view the information contained in any of the error log documents simply double-click on them while in the error logs view.

Error logs should be sent to AGEKOM support for analysis and fixing in a future release. To send logs to AGEKOM follow these steps:

1. Select one or more error log documents in the view.
2. Click the 'Send selected logs to AGEKOM Support' button at the top of the view.
3. The following dialog box will be displayed:



4. If you use Notes for your email select the 'Send selected documents by email' option. If you would like a copy of the message sent to you click the checkbox next to 'Send copy of message to me' then click the Proceed button.

If you use another email client select 'Copy selected documents to clipboard' then click the Proceed button. Open your preferred email client and paste the contents of the clipboard into a new email message. Your email should be sent to 'support@agecom.com.au'.

## DEBUGGING

If you are experiencing problems with using this product and there is no obvious reason for it and there aren't any error logs you can enable the debugging feature. This feature creates very detailed information about the processing that occurs while using this application. Quite often debugging information provides clues as to the cause of problems.

To enable debugging follow these steps:

1. Open the application as you normally do.
2. Select the 'Scanning Profiles' option which appears under the 'Administration' heading on the left-hand navigation menu of the application.
3. Locate and open the scanning profile document for the server you'd like to enable debugging for.
4. Click on the 'General Options' tab.
5. Set the 'Debugging' option to 'Enabled'.
6. Set the 'Debug Level' option for the amount debug information you'd like to be output. A level of Normal outputs basic debug information whereas the 'Verbose' level outputs the most detailed information.
7. The Agent Monitor application uses the Notes / Domino C-API to retrieve some information for agents. To enable the output of debugging information for API calls click the 'Advanced' tab and set the 'API Debugging' option to 'Enabled'.
8. Save and Close the scanning profile document.
9. If you are performing the scanning of agents on a Domino server from your Notes client locate the scanning profile document for the Notes ID you are using to perform the scan and repeat the above steps for that profile.

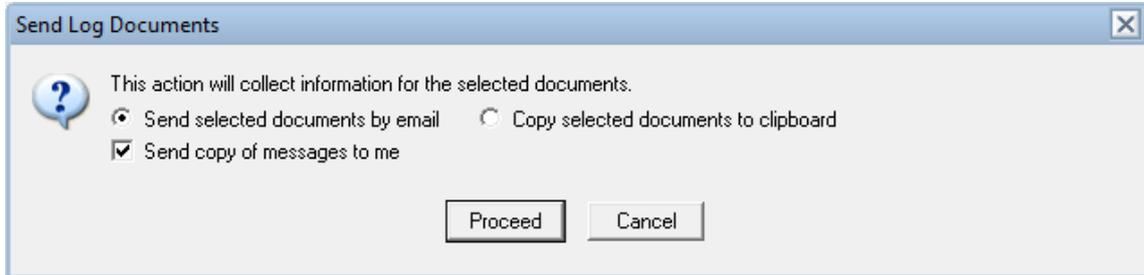
After enabling debugging use the application as normal. You may receive reminders while using the application that debugging is enabled and if you want to disable it. You should not disable debugging but continue as normal.

After you have completed your processing the debug logs can be viewed by selecting the 'Debug Logs' option which appears under the 'Administration' heading on the left-hand navigation menu of the application. Additional information may also be available in documents found in the 'Process Logs' views.

To view the information contained in any of the debug log documents simply double-click on them while in the logs view.

To send debug logs to AGECOM support for analysis follow these steps:

1. Select one or more log documents in the view.
2. Click the 'Send selected logs to AGECOM Support' button at the top of the view.
3. The following dialog box will be displayed:



4. If you use Notes for your email select the 'Send selected documents by email' option. If you would like a copy of the message sent to you click the checkbox next to 'Send copy of message to me' then click the Proceed button.
5. If you use another email client select 'Copy selected documents to clipboard' then click the Proceed button. Open your preferred email client and paste the contents of the clipboard into a new email message. Your email should be sent to 'support@agecom.com.au'.

Please note that when debugging is enabled application performance is greatly reduced. After you have gathered the necessary debugging information you should disable debugging by reversing the changes made in the scanning profile document(s).

## SUPPORT INFORMATION COLLECTION

The Support Information Collection feature of the product is available to assist with support issues. It collects the following information:

- Retrieves Notes client information.
- Checks Java configuration settings.
- Retrieves configuration information from the Notes.ini file.
- Scans all Notes filenames and dates.

To run the information collection tool open the application and select the 'Support' option from the Notes Actions menu then select 'Information Collection'.

The information collection form enables you to select the collection tasks to be performed, who the information should be sent to or if you'd like to output it to a file. The default values should normally be accepted. If, however, one or more tasks fail to run successfully you can re-run the information collection tool and de-select the task(s) which failed to complete previously. Once you've confirmed the tasks to be performed and who should receive the information click the 'Proceed' button on the form.

If you do not use Notes as your email client:

De-select the following options in the Information Collection Tasks box:

- Send collected information to AGEKOM Support
- Send a copy of the collected information to me.

Select the following options:

- Save collected information to a file

Create a new message in your preferred email client, create a new message and attach the support information file to it. The message should be sent to 'support@agecom.com.au'.

## REQUESTING ASSISTANCE

If you require assistance, have questions or product suggestions you can submit your request directly to the AGEKOM website. While you have the application open in your Notes client select one of the following:

- Select 'Actions' on the Notes menu bar, then select 'Support' and then 'Contact AGEKOM'.
- Select the 'Help – About this database' or 'Help – Using this database' option from the Notes menu bar. Scroll to the bottom of the help page and click on the 'Contact Us' link provided.

After selecting one of the above options your default web browser should immediately open to the Contact page on the AGEKOM website.

## APPENDIX A – LICENSING

This section contains information about the different types of licenses available for this product and guidelines on determining which license(s) are right for you.

### WHAT TYPE OF LICENSES ARE AVAILABLE?

#### **Single User license**

This license provides full access to the application for a specific Notes user or Domino server.

#### **Organizational Unit license**

This license provides full access to all Notes users or Domino servers certified with a common Organizational Certifier.

#### **Organization License**

This license provides full access to all Notes users or Domino servers certified with a common Organization certifier.

### WHAT LICENSES DO I NEED?

#### ***I will be the only person using this application and I WON'T be running scheduled scans.***

If this application will only be used by a single Notes user then you will only need a Single User license. The license will be valid for the specific user irrespective of whether the application is being run locally or from the Domino server.

#### ***I will be the only person using this application and I WILL be running scheduled scans.***

When running scheduled scans of databases for agents you will require the following licenses:

- As the user of the application you will need a single user license for yourself.
- A single user license is required for the Notes ID that is used to enable the Scheduled Agents Scans agent (if the Notes ID is different from your own).
- A single user license is required for the Domino server running the Scheduled Agent Scans agent.

#### ***Multiple people will be using this application.***

In addition to the above licensing scenarios all you simply need to do is order a single user license for each additional person who will be using the application. If there are more than 20 people who will be using this application the Organization license is the most appropriate option.

#### ***The whole department within our organisation will be using the application.***

- If your department has more than 15 people and they have all been certified with a common Organization Unit certifier the Organization Unit license is the most appropriate.
- If your company does not use Organization Unit certifiers and there are more than 20 people in your department then the Organization license is the most appropriate.
- Otherwise purchasing single user licenses for each person who will using the application is most appropriate.

***The entire company will be using the application.***

- If your company consists of more than 20 people then you should purchase the Organization license.
- If your company consists of less than 20 people then a single user licenses for each person is recommended.

## APPENDIX B – SCAN AGENTS SECURITY CONSIDERATIONS

If you are intending to run scheduled scans of agents on your Domino servers the Scan Agents agent must be enabled using a Notes ID that has been granted access in the server document to run unrestricted methods and operations.

The Scan Agents agent performs the following operations which require the high level of access:

- Opens all databases on the Domino server and retrieving the list of Shared and Private agents.
- Makes Notes / Domino C-API calls to retrieve and parse agent information.
- Retrieves and checks agent completion log information.

To check or configure which Notes IDs have been granted unrestricted access on your Domino server please follow these steps:

- Open the Public Address book (also known as the Domino Directory) on the Domino server where the Scan Agents agent is to be run on.
- Select 'Configuration' then 'Servers' and then select 'All Server Documents' from the left-hand navigation menu of the address book.
- Locate the server document for the server the Scan Agents agent is to be run on and double-click on it to open it.
- Click on the 'Security' tab of the server document.
- Locate the field with the label - 'Run unrestricted methods and operations'.
- Ensure this field contains the Notes ID (either directly or indirectly through a group name) that will be used to enable the Scan Agents agent.
- Repeat the above steps for each server you're intending to run scheduled agent scans on.

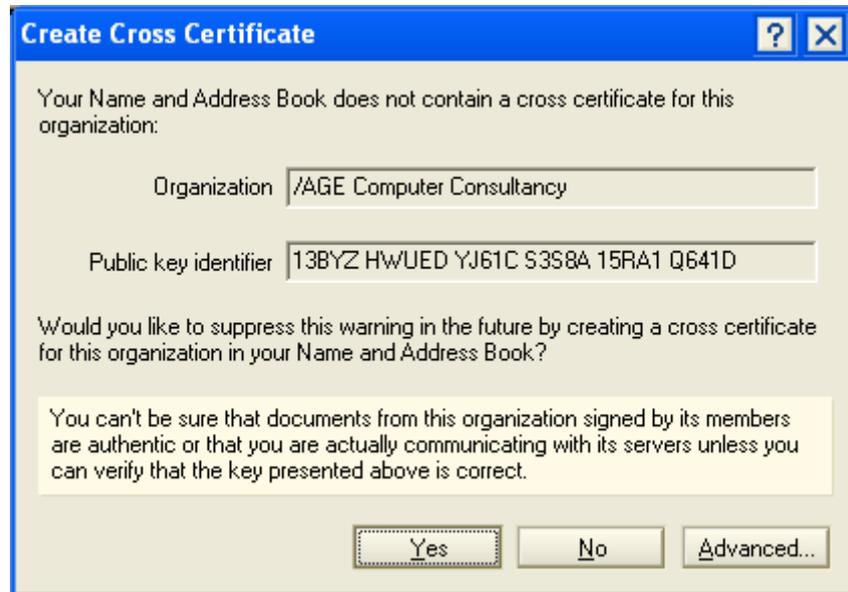
**Note:** When running the Scan Agents agent on a scheduled basis the following licenses are required:

- A license for the Notes ID used to enable / sign the Scan Agents agent.
- A license for the Domino server id.

If a license key is missing for any of the above id's the application will run in trial mode when a scheduled scan is performed.

## APPENDIX C – NOTES SECURITY

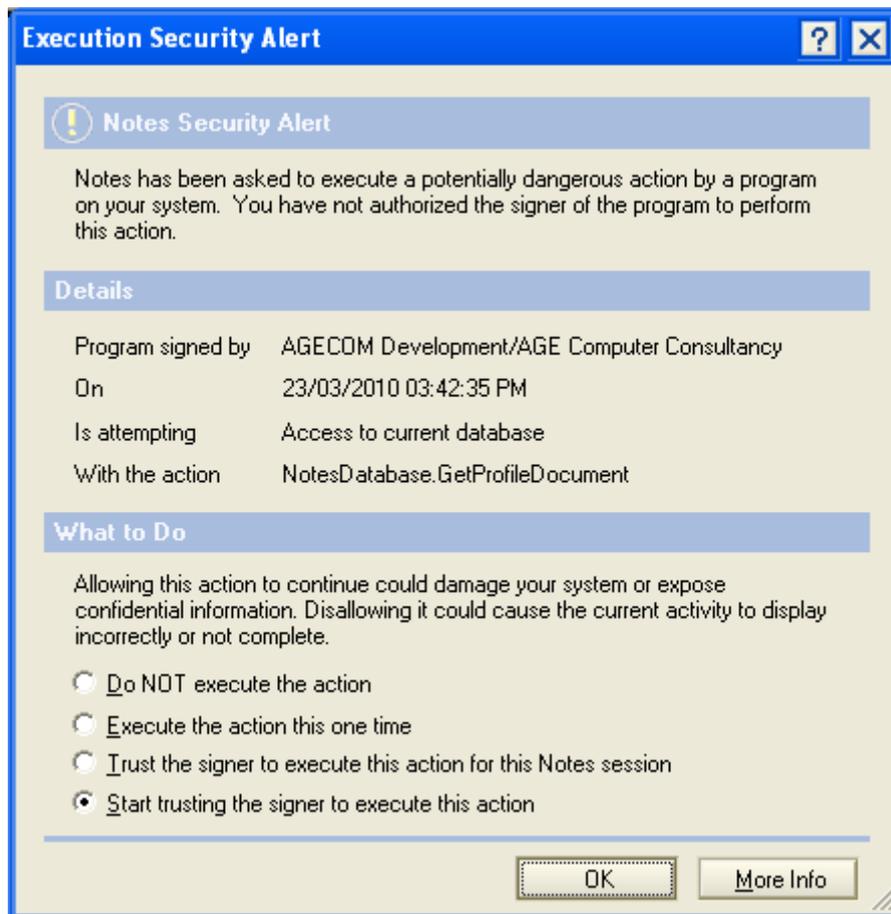
During the installation process you may be prompted to *Create a Cross Certificate* as per the following image:



This is a normal part of the Notes client security features. It indicates you are accessing a digitally signed document or application design element for which you don't have a cross certificate in your Personal Address Book.

It is recommended you click the 'Yes' button to automatically create the cross certificate in your Personal Address book. This will indicate the certificate is trusted and will prevent further displays of this prompt. If you click the 'No' button it will not prevent the installation from completing successfully but you will be continually prompted to create the cross certificate.

You may also receive Execution Security Alerts as per the following image during the installation process:



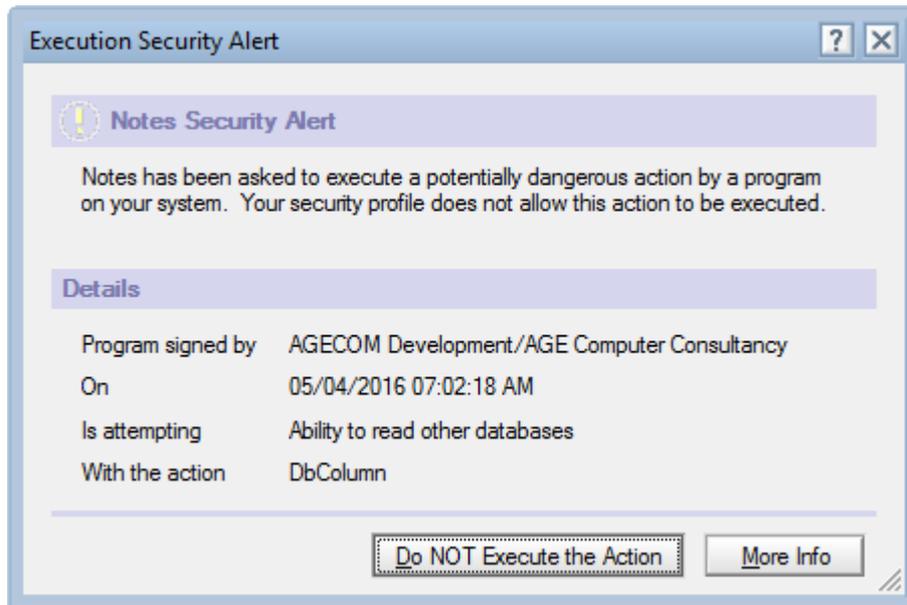
Execution security alerts are also a standard part of the Notes client security features. An execution security alert is displayed when a restricted action is performed by a Notes ID you have not previously given authorization to perform. In the above example the Notes ID 'AGECOM Development/AGE Computer Consultancy' is attempting to get a profile document in the current database.

Whenever you see the above alerts it is recommended you select the 'Start trusting the signer to execute this action' option and click the ok button. You will then no longer be prompted when the Notes ID attempts to get a profile document. You may be prompted, however, when the Notes ID attempts to perform other restricted actions for the first time.

You may also select the 'Execute the action this one time' or 'Trust the signer to execute this action for this Notes session' to enable the restricted operation to be performed once only. At a later time if the same Notes ID attempts to perform the same operation you will receive the Execution Security Alert again.

If you select the 'Do NOT execute the action' the restricted operation will not be performed and will cause the installation to fail.

If your Domino Administrator has restricted the option to allow actions to be executed by unknown signers you may see the following dialog box instead:



In this instance you won't be able to perform the installation.

You will need to request your Domino Administrator to perform one of the following actions:

- Sign the Agent Monitor Installer file with an appropriate Notes ID that will allow you to run the installation.
- Add 'AGECOM Development/AGE Computer Consultancy' to the Admin ECL in your Domino domain's Security Settings policy document.

Once this has been done you should be able to continue with the installation.