Autodesk Inventory Advisor
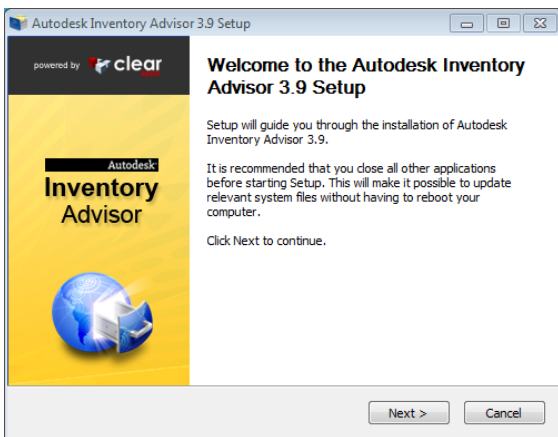## Quick Start Guide

Contents

Overview

Autodesk has licensed ClearApps technology to address your Autodesk software audit needs. **Autodesk Inventory Advisor** (AIA) has been configured to search client machines across an entire organization for Autodesk products that contains Autodesk registry entries. AIA is a highly configurable, robust inventory tool that leverages Windows Management Instrumentation (WMI) to provide near seamless audit data collection of Autodesk product information.
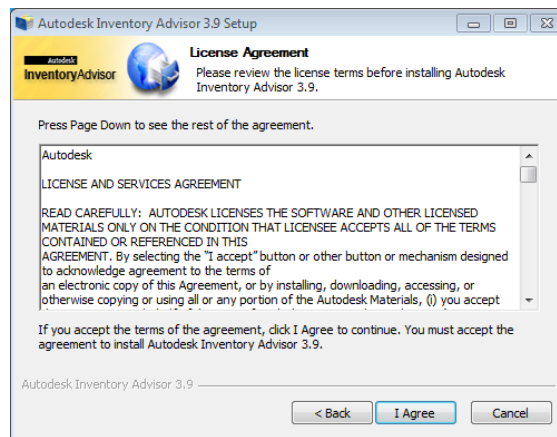
Installation

Download the **Autodesk Inventory Advisor** installer from the Autodesk website using the link provided to you by an Autodesk representative.
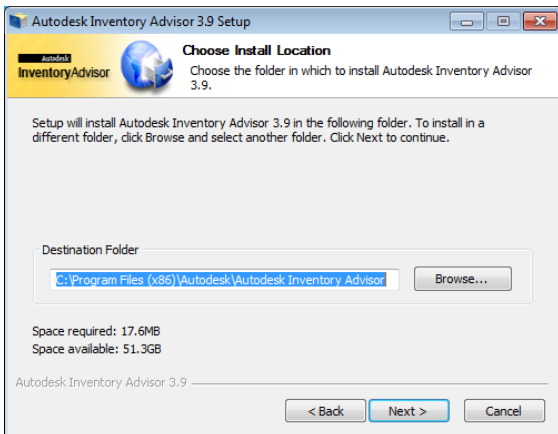
Install AIA

Double click on **iadvisor-x.x-setup.xxxx.ad.exe**, select your language, and follow the steps below:
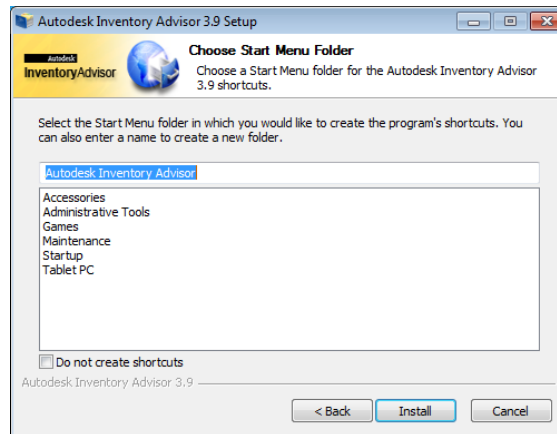

Click **Next**

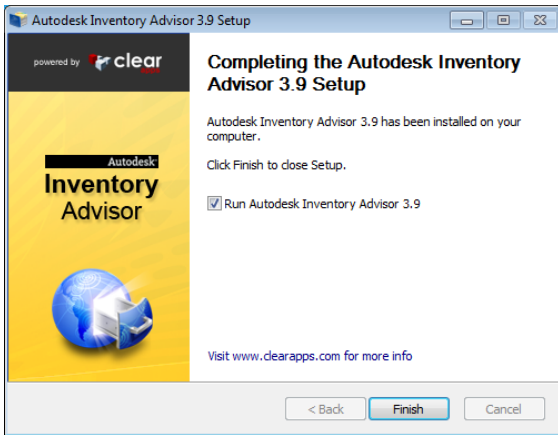Accept the License Agreement by clicking **I Agree**

Select the directory to where the application will be installed and click **Next**

Click **Install** to begin installation

Click **Finish** to start the application

Enter unlock code

Upon launching the application for the first time, you will be prompted to input a user name and unlock code. Please use the following name and code to unlock AIA after installation:
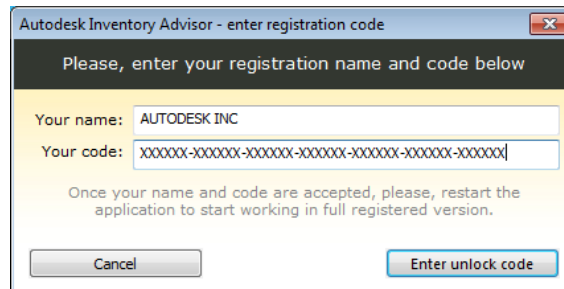
Name: **AUTODESK INC**
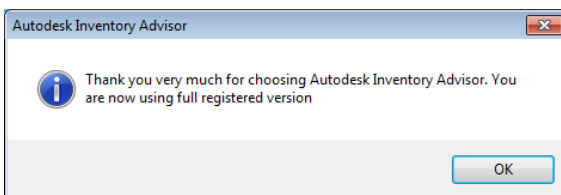CODE: **0000UW-AE3MY8-PZX12Y-D0D4E7-7WNZ0V-TBWFE2-2C9TZ1**

IMPORTANT: Failure to enter the unlock code information will limit AIA to 25 nodes and you will not be able to export the results of any scans.
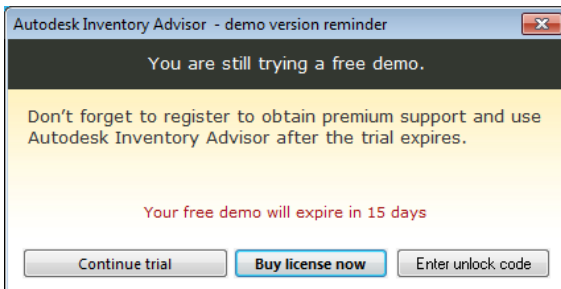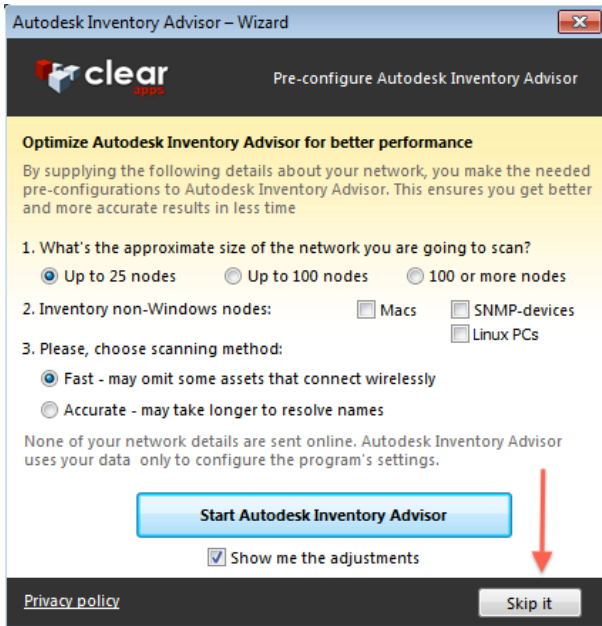

Click **Enter unlock code**

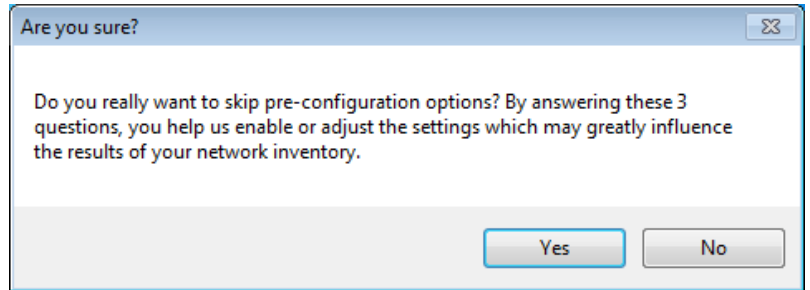Enter the name and code provided and click **Enter unlock code**

Click **OK** at the confirmation screen
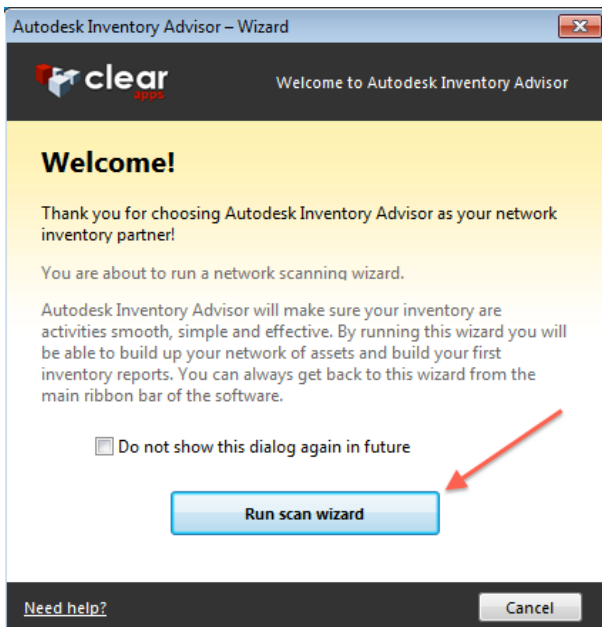
Initial configuration

After inputting the unlock code information, the following screens will appear:
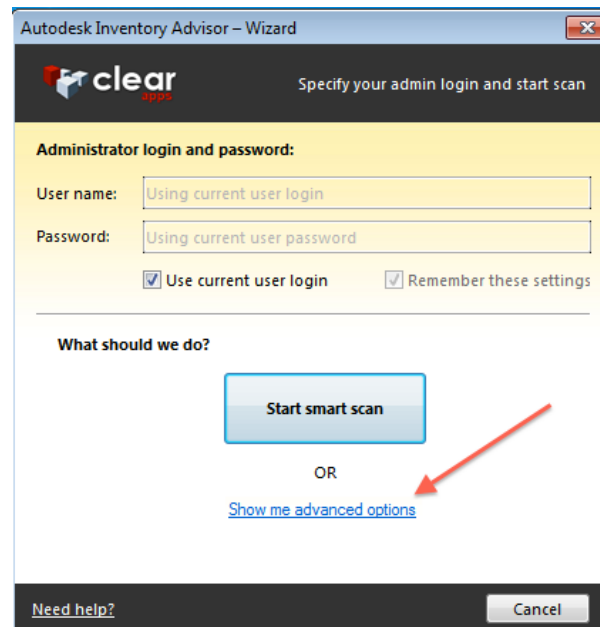

Click **Skip it**

Click **Yes** to dismiss the dialog. AIA is pre-configured out of the box

Click **Run scan wizard**

Click **Show me advanced options**

Selecting a scan option

In order to create your first set of systems to scan, you will need to determine how to get the systems into Autodesk Inventory Advisor. At this point, there are many ways to populate AIA. The three most common methods are import from Active Directory, import the nodes list from file, or scan an IP address range. Of course, there are a number of other options to find the assets in an organization. If you are unsure as to the best method, please consult your network administrator. Please note that administrative rights are required for all scan methods.
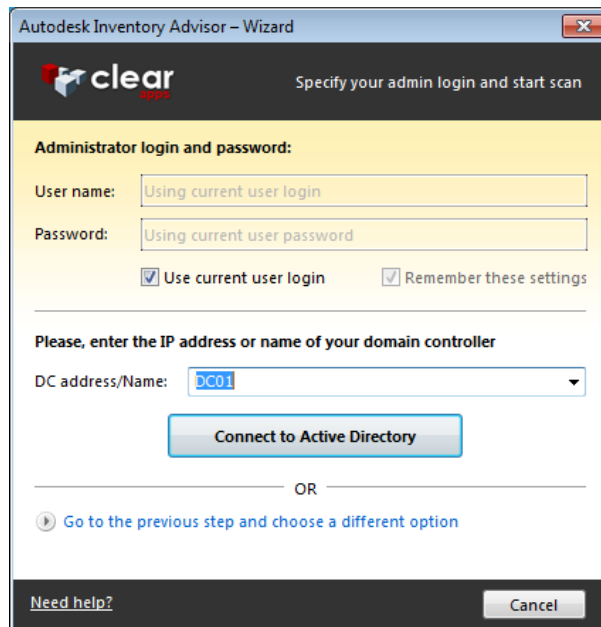
Import from Active Directory

If your organization has Active Directory (AD), then this would be the preferred method of import. When using this method, AIA will create a tree hierarchy of all the nodes to be scanned in the network.

Note: If AD contains nodes that are no longer present in the organization, this will have a negative impact on scan performance time, as AIA will still try to scan the node even if it does not exist. Importing from AD will require domain administrative rights.
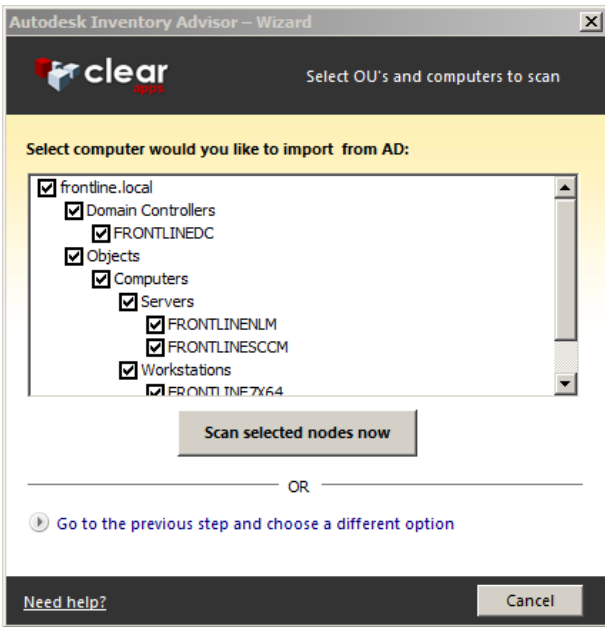
To import from AD, follow these steps:
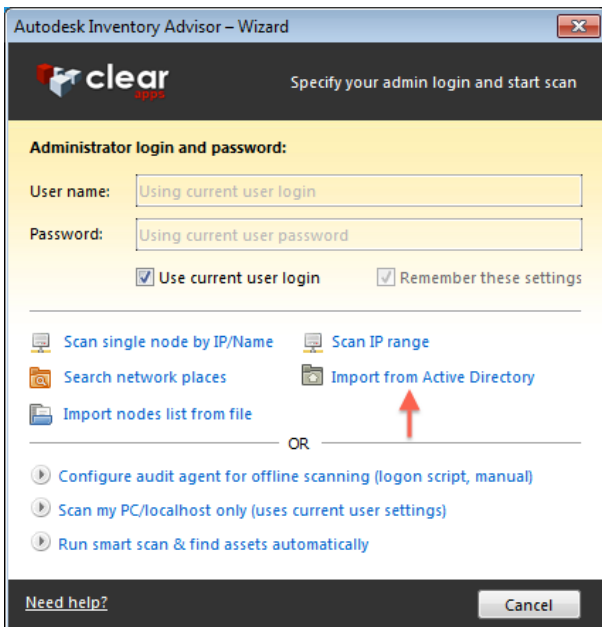
Click **Import from Active Directory**

Enter the IP address or DC name and click **Connect to Active Directory**

Note: Depending on how big the organizational structure is, the time to retrieve the information from AD will vary.
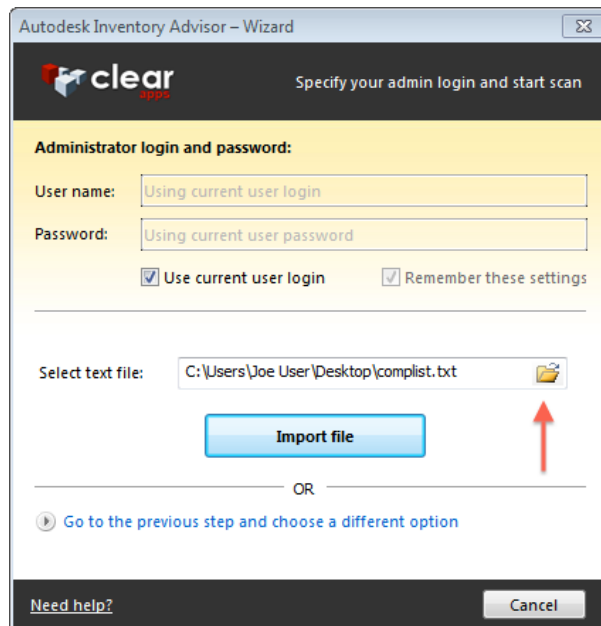
Select the nodes you wish to import and click **Scan selected nodes now**

Import nodes list from file

If your organization does not have Active Directory or if you have a list of computer names or IP addresses readily available, you can import the list directly into AIA. To import from a list, follow these steps:
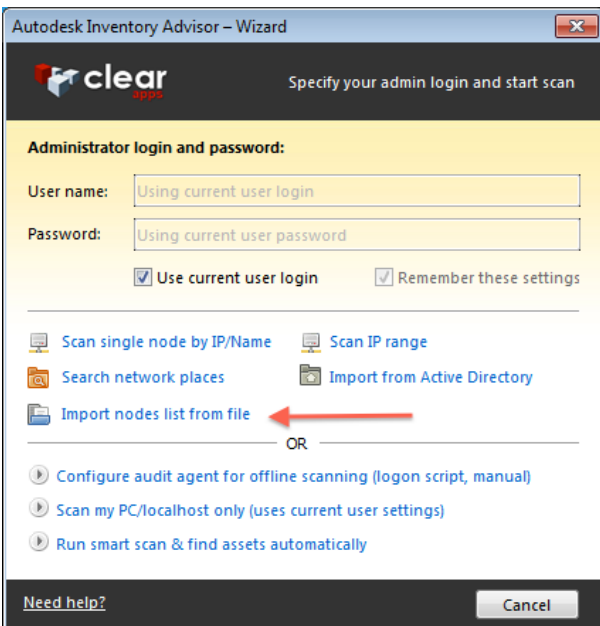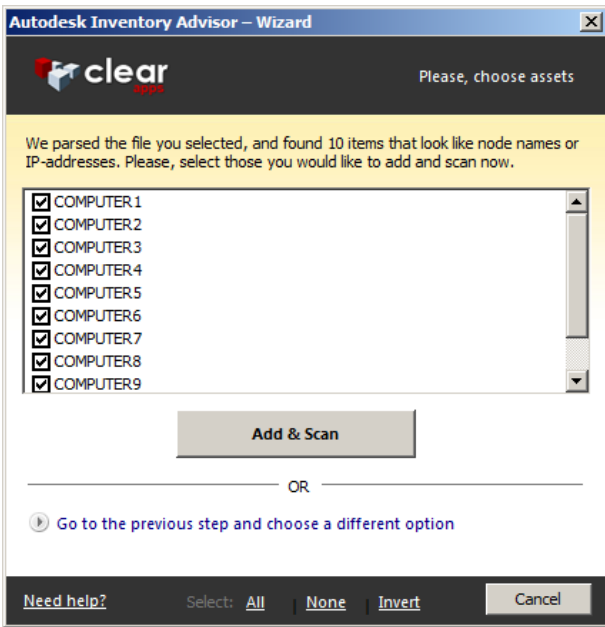
Click **Import nodes list from file**   Browse to the list and click **Import File**
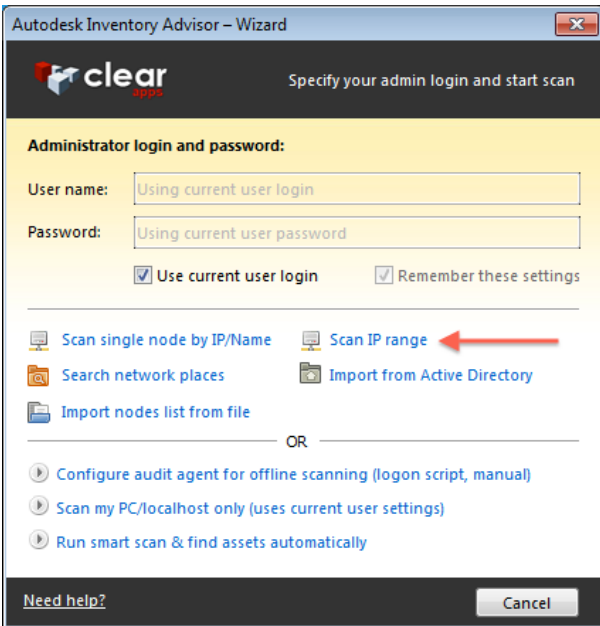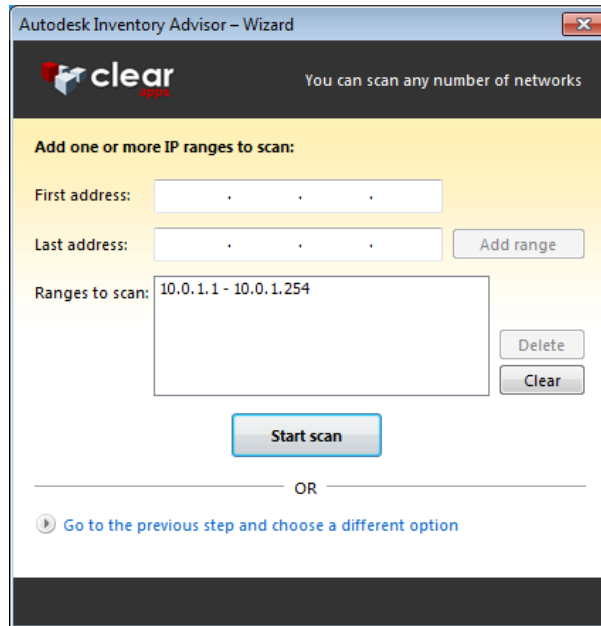
Select the nodes you wish to import and click **Add & Scan**

Scan IP range

Scanning via IP range is helpful in environments that may not have Active Directory or a list of nodes is not readily available. To scan an IP range, follow these steps:


Click **Scan IP range**

Enter in one or more ranges to scan and click **Start scan**

In any one of the three methods outlined above, a scan window will appear showing the progress of the scan. If, during the scan, systems where not found, the option to add nodes to the scan list will need to be enabled. To enable this option, click on the **Advanced post scan options** in the bottom left of the scan window and select **Add selected failed nodes as manual assets**:
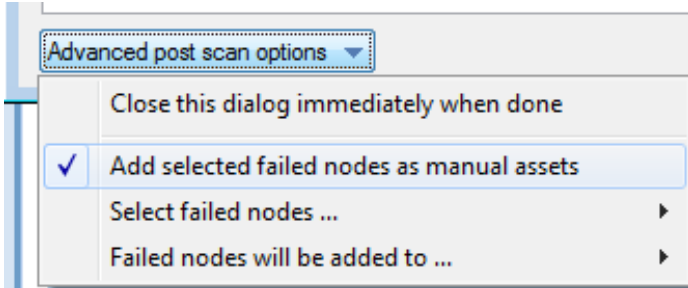

Reporting

Once a list of nodes has been scanned, a report for Autodesk products may now be created. This report is generally provided back to Autodesk during the audit process.

Creating a report

In order to create an Autodesk audit report, start by selecting the **Reports** tab in the upper left hand corner of AIA. Next, click the **Software** button and then select **By serial num…**
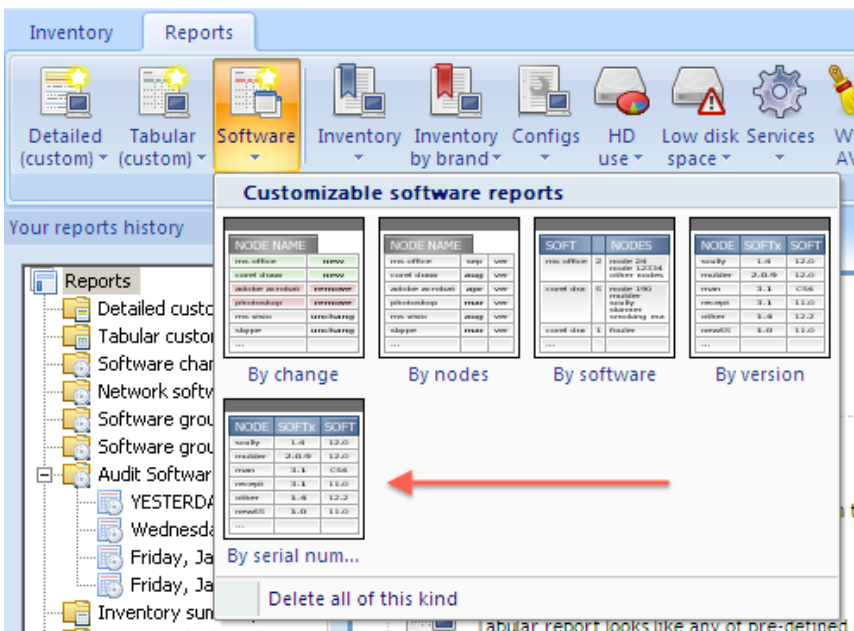
From the asset wizard, click **All** to select all the nodes and then click **Build**:
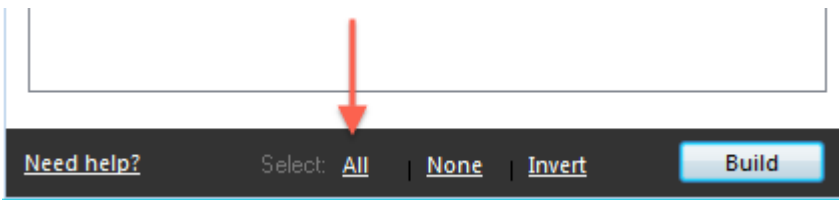

Note: If AIA has not previously scanned any of the assets in this build request, it will proceed to scan the assets that require it. AIA however will not rescan any nodes that have been previously scanned. This setting can be changed in the **General** panel in **Settings**. Simply clear the check next to **Do not rescan nodes when building custom and predefined reports**

Exporting a report

Once a full inventory of all assets has been completed, it will be required to export the results into an XML file. To do this, select the report date to be exported in the **Audit Software** reports section under **Your reports history**. Normally, this will be labeled as **TODAY**:
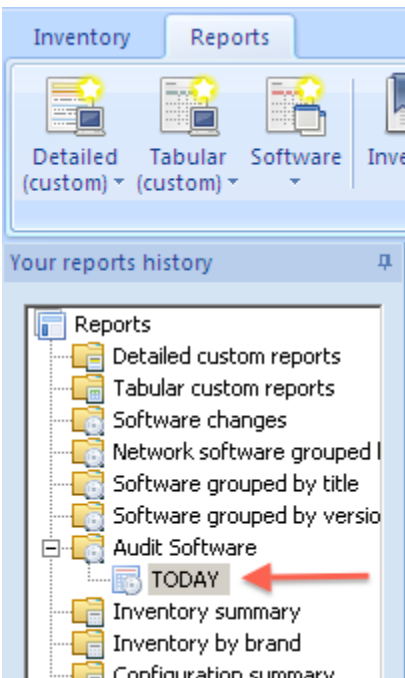
In the top right section of the toolbar, click **Export this now** and select **Export to XML file**:
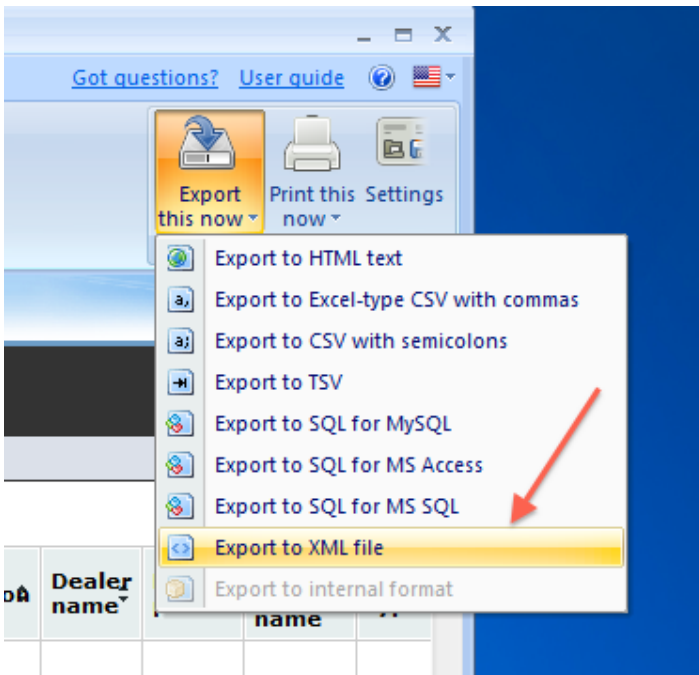
Select a location to save the XML file and click **Save**.

Viewing an exported report

The exported XML file is best viewed by opening it in Excel. Please note that when selecting the report to open in Excel, **Files of type** must be set to **XML Files (*.xml)** or **All Files (*.*)** in the open file dialog box:
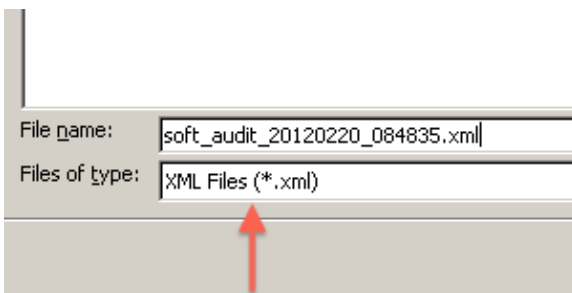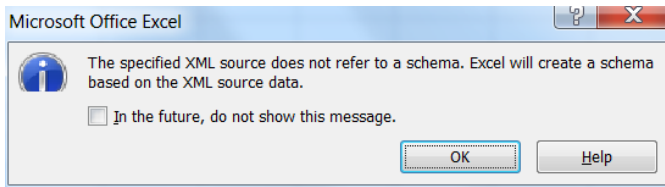

When opening the XML file, Excel will ask a couple of questions. In the **Open XML** dialog, select **As an XML table** and click **OK**:
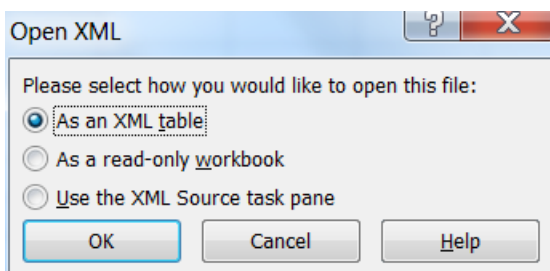
The XML file that is being opened does not contain a schema, so allow Excel to create a default schema by clicking **OK**:

Here is an example of an XML file opened in Excel:

Troubleshooting

AIA is a robust tool and is capable of addressing and dealing with large complex networks. However issues on networks do arise and below are the most common issues and solutions. Lack of administrative privileges and blocked firewall ports are the most predominate issues seen.

Issue	Solution
No such host is known.	The node was not accessible on the network. Check to make sure the node is present then rerun the scan for this node.
A connection attempt failed because the connected party did not properly respond after a period of time, or established connection failed because connected host has failed to respond.	This is caused by a firewall blocking access to the node. Please enable ports TCP 22, TCP 135, TCP 139, TCP 1051, UDP 137, and UDP 138
Access is denied.	AIA does not have the correct permissions to access the node.
Remote computer doesn't respond. Maybe it is switched off or WMI service is not running on it.	This is caused by remote administration being denied on the destination node. Please see the following link which addresses this issue: http://technet.microsoft.com/en-us/library/cc738900(WS.10).aspx
The requested name is valid, but no data of the requested type was found	This is caused by a name resolution issue within the network environment. Attempt to scan using the IP address instead.
Unknown error 0x80041014	Please see the following link which describes the issue and how to address it: http://support.microsoft.com/kb/318849
Scan is transferring large amounts of data across the network	In **Settings** go to the **Windows reports** pane and ensure only the following categories are selected: - OS info - Processor - System & motherboard - Network adapters - Licenses audit In **Settings** go to the **General** pane and change the **Maximum simultaneous scanning threads** to a lower number (default is **20**)