Using the Codima Toolbox

This is one of a series of Getting Started Guides available for the tools in the Codima Toolbox. Tree branches are used to group functions together, the guides cover all of the main Tree branches.

Getting Started Guide for the autoMap tree branch

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- Introduction and Toolbox packaging
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This guide covers the functions accessible via the autoMap tree branch which are integrated with a wide range of other functions, including those accessible via the autoMonitor and autoPinger tree branches.

The autoMap tree branch provides access to functions that automatically:
- Discovers network topology
- Presents the information as Microsoft® Office Visio® drawings
- Presents the information as inventory reports.

The Codima Discovery Engine™ is used to map the network and provide inventory information.

The licensing system is used to combine tools and facilities and present them as Toolboxes.

The functions covered in this document are part of the Codima Toolbox All in one, the Codima IT Inventory & Mapping Toolbox, the Codima IT Engineer Toolbox and the Codima VoIP Readiness Toolbox.
Pre Installation checks

Ensure you have selected to install on a suitable Host Platform - click here to obtain Host Platform specifications

Ensure that the Toolbox is installed with the prerequisite software and correctly configured.

Software Release 8.10 : Prerequisite components – for functions accessible via the autoMap Tree branch

- Microsoft® Office Visio® 2007 (Professional), 2010 (Professional or Premium) - Codima does not supply this software. Please note that Microsoft® Visio® Viewer is not sufficient to display the results of the discovery process, you must have a fully (activated) copy of Microsoft® Office Visio® to generate Visio Views (though not to perform the initial discovery).

- BitNami WAMP Stack – This is included in the Codima Installation, it incorporates the following software versions:
  - Apache 2.2.17
  - MySQL 5.1.56
  - PHP 5.3.6
  - PHPMyAdmin 3.4.2

This software is installed and configured as part of the Installation process. Configuration involves providing a password for the MySQL ‘root’ account and the Apache Web Server Port that the bundled Apache Server will listen to by default.

Software Release 7.60 or earlier : Prerequisite components – for functions accessible via the autoMap Tree branch

- Microsoft® Office Visio® 2007 (Professional), 2010 (Professional or Premium) - Codima does not supply this software. Please note that Microsoft® Visio® Viewer is not sufficient to display the results of the discovery process, you must have a fully (activated) copy of Microsoft® Office Visio® to generate Visio Views (though not to perform the initial discovery).

- Java Runtime Engine, Standard Edition (JSE) V6.0.02 - Installed automatically as part of the Toolbox Installation

- Microsoft® Access® driver - The installation program installs and configures a Microsoft® Access® database connector to the Discovery database.

- MySQL ODBC Connector - The installation program installs the ODBC for the mySQL Server.

Installation - Software Release 8.10

An Installation Guide is available to help you install the BitNami WAMP Stack and the Codima Toolbox software. Click below to obtain a copy of the Guide:

- Installation Guide

Loading instructions :-

Click on the Toolbox Icon or use Start Menu – select programs : Codima, Codima Toolbox
Codima Discovery Engine Check list

Use the following URL to obtain a hard copy of a check list covering what is needed to successfully use the Codima Tools to provide network topology drawings and asset inventory reports.

- [Codima Discovery Engine - Check List](#)

Device Library

Check the device type used (see Note 1) prior to running a discovery, as it will help you establish if the key device types on your network have already been incorporated in to the Codima Discovery Engine.

*Note 1: The Discovery Menu option titled Manage Device Library provides access to the device type list – for full information see Help entry titled “How to use Device Library”.

SNMP MIB list

Check the MIB support associated with the Codima Discovery Engine, click here to access the MIB list.

- [SNMP MIB list](#)

**Deployment**

![Network Diagram](image)

**Codima Toolbox Host Platform Configuration**

- **Network Adapter** configured to use a suitable IP Address for the network you are connecting to (static or DHCP)
- **SNMP operations require:**
  - Start Point IP addresses (Seed List) – see note 2
  - SNMP v1/2c
  - SNMP Read community Strings for network, (e.g., public, private, secret)
  - SNMP v3
  - Configuration – Authentication, Privacy and password information
- **OPTIONAL (Advanced Discovery)**
  - WMI operations require:
    - Domain Name/User Name
    - Password

  Domain Name/User name and password are used to provide the WMI credentials the Toolbox needs to obtain information from devices in the Windows Domain

- **Discovery control requires:**
  - IP Address range that you wish to discover (Seed List)

**Notes:**

1. SNMP Agent should be enabled on as many network devices as possible prior to the discovery
2. To extend discovery beyond the firewall, the host platform for the discovery engine must be configured with an IP address that is classified as a trusted IP address in the firewall configuration
3. The Seed list is used in the discovery process, it can contain a single start point for the discovery process or multiple start points, it can also be used to restrict discovery to a set range of IP addresses

**ACTIONS**

1. Attach Toolbox to a free port on Switch.
2. Configure with a suitable start point, e.g., IP address of SNMP compliant Switch/Router (see Map/Start Discovery Tree branch) – see note 2
3. The Codima Discovery Engine will discovery network and the Toolbox will automatically produce a range of views including network infrastructure view for selected IP address range and an inventory report
Tutorials

The following tutorials accessible via the Codima Web site can be used to help you get started:

- How to install and load
- How to deploy Codima Toolbox
- How to start discovery and produce Asset Reports.
- How to start discovery and produce topology drawings in Visio

Click here to access Tutorial Sign up access point

Integrated Help

Pressing <F1> will provide access to the Codima Help facility.

The following help entries will assist you in using the functions accessible via the autoMap tree branch.

<table>
<thead>
<tr>
<th>Help Link</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>About autoMap tree branch</td>
<td>Provides a detailed overview of the functions available via the autoMap tree branch</td>
</tr>
<tr>
<td>About Asset View</td>
<td>of the functions available via the autoMap/Asset View tree branch</td>
</tr>
<tr>
<td>Seed List</td>
<td>Provides detailed information on suitable start points</td>
</tr>
<tr>
<td>autoMap/Asset View tree branch - Operations</td>
<td>Provides a link to the Help entries that cover the operation of the functions available via the autoMap tree branch.</td>
</tr>
<tr>
<td>Discovery Duration</td>
<td>Covers how long discoveries should take</td>
</tr>
<tr>
<td>How to start mapping</td>
<td>Step by step help covering how to start the autoMap discovery process.</td>
</tr>
<tr>
<td>How to open an autoMap Visio Views</td>
<td>Provides information on the different methods that are available to open the Visio Views listed under the autoMap Tree branch.</td>
</tr>
<tr>
<td>How to create Asset Report</td>
<td>Provides information covering creation of Asset reports in HTML format, Excel, CSV and TSV.</td>
</tr>
<tr>
<td>How to test if IP addresses in Seed List respond to SNMP</td>
<td>Step by step help covering how to test the Start and End addresses in the Seed List</td>
</tr>
<tr>
<td>How to view discovery progress and status information</td>
<td>Step by step help covering how to check the progress of a discovery</td>
</tr>
<tr>
<td>Troubleshooting Codima Discovery Engine</td>
<td>Help entry covering troubleshooting the operation of the discovery process.</td>
</tr>
</tbody>
</table>

Operations Guide

The operations guide will take you through the key features and how to operate them.

Click here to download the relevant Operations Guide