Cisco Application Profiler

Release 1.0

Getting Started Guide

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# Introduction

Cisco® Application Profiler is a Web based application. This helps in building repository of application configuration items from third party applications such as firewalls. These can be used in application configuration of ACI tenants.

Profiler consists of four high level modules,

* Projects: Projects are used for creating ACI projects and making changes to APIC.
* Plugins: Plugins are components which retrieve data from different devices.
* Repository: Repository is a collection of configuration imported from different devise.
* User management: Management of users who can access different features of this application.

## Prerequisites

* Make sure you have latest version of one of the supported Browsers.
* Chrome version 35 (at minimum)
* Firefox version 26 (at minimum)
* Safari
* Internet Explorer version 11 (at minimum)

## User credentials

The credentials of preconfigures users on the system are,

* Admin user name: admin, password: admin
* Non admin user: user, password: user.

# How to use profiler application?

## Step 1: Login

Login to application by entering user name and password. First time, login as admin user. Once you login, you will presented with the home page for admin user. This page has four sections.

* Projects
* Plugin
* Repository
* User Management (Available Only for users having ADMIN role)

## Step 2: Import objects to Repository

* Go to repository section.
* Add device by giving name, model, IP address, username and password. Only Palo Aalto firewall is supported in this release.
* Click on the newly added device and import it.
* Importing device configuration may take 4 to 6 min depending on the number of configuration on the device. Once import configuration completes, success message is displayed and list of configuration objects are displayed in a table. These are contracts, Filter entries and filter objects.
* If there is a failure, retry again by correcting password or IP address depending on the error.

## Step 3: Create Project

* Select Project tab on top application title bar.
* Click on add project button. Add a project by giving project name, description. User can also edit/clone an existing project.

## Step 4: Configure Project

* Click add tenant button.
* Provide the tenant name, VRF, External Connectivity and L3-out scale.
* Add Application, by giving name, selecting a template and customizing parameter such as instance value, type, BDs, Subnets, EPG, scale details.
* Add EPG: If additional EPGs are required, drag the EPG icon and drop it inside the application layout and select the BD for EPG.
* Add Contract: Drag the Contract icon and drop it on the EPG.
* Add L3-out by dragging and dropping L3out icon.

## Step 5: Configure contracts to use repository objects

* Click contract object, select edit.
* Select map button. This brings up a table with list of contracts from repository objects. Search required contract.
* Select a contract and save.

## Step 6: Save configuration to APIC

* Add APIC device: Go to Repository section. Add APIC IP address, username and password under repository devices.
* From project page, select the APIC device, select the tenants to be pushed and click on apply.
* Tenant configuration is applied to APIC.
* The tenant box has a status symbol which indicates whether configuration is successfully applied to APIC or not. If configuration of the tenant has changed since previous apply of configuration, same icon is used to indicate the tenant modification. This can be used to decide which tenant configurations have to be applied again.