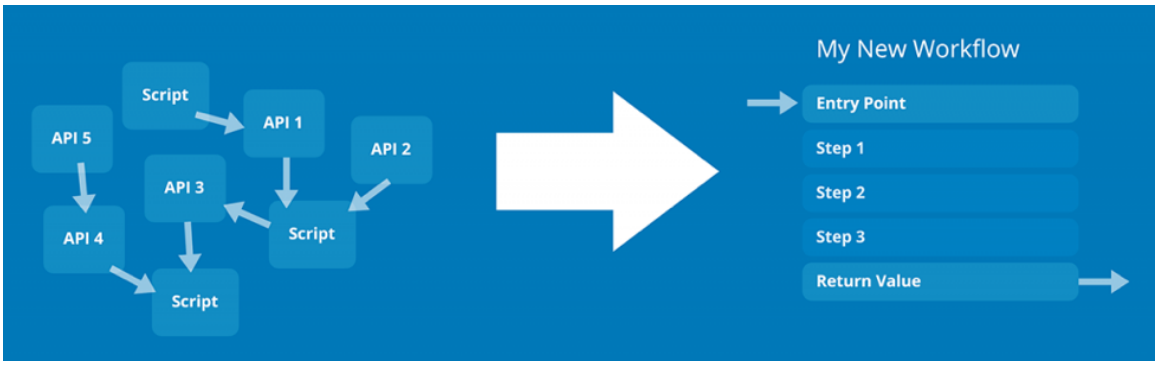
ACP Overview

6connect ACP Overview

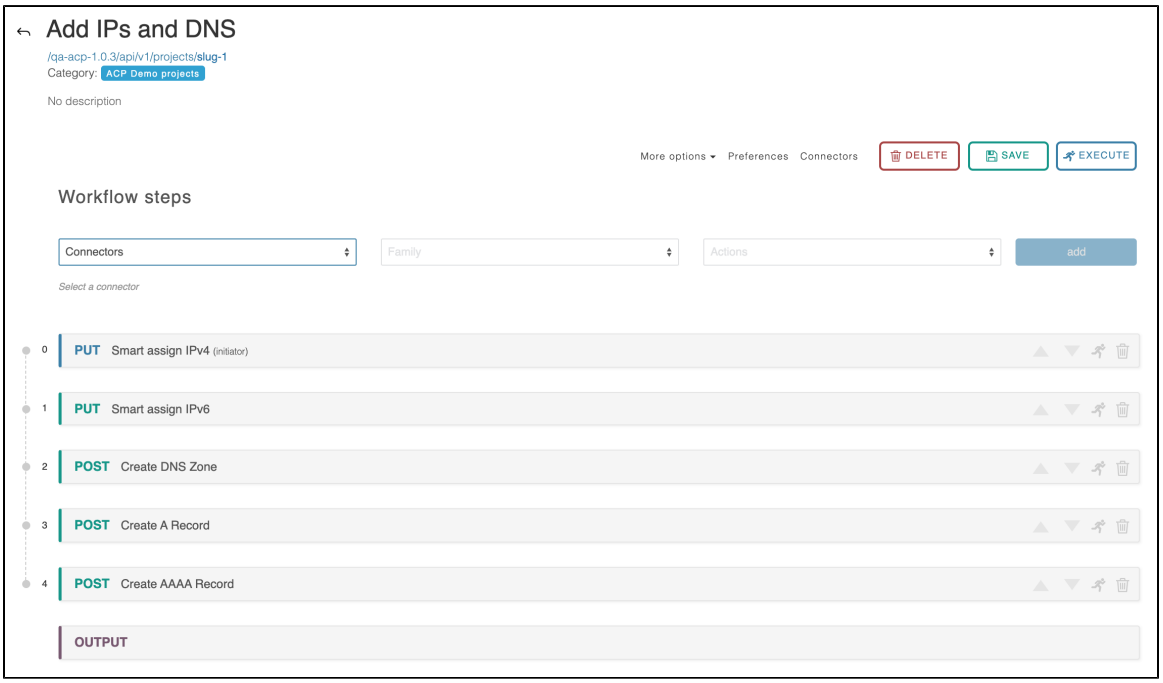


API Composer Platform

6connect's API Composer Platform (ACP) is a vendor-agnostic toolbox for developing interconnected endpoint workflows using data from one or more API service providers. ACP serves as a universal 'glue layer' for API-driven development, to standardize and streamline endpoint automation logic, save developer time, and increase the overall robustness of API-driven code.

Graphical Editor

With ACP's graphical editor, you can easily pull in data from multiple API vendors and combine it into a new API endpoint – on the fly – with no code necessary. Easily create and visualize workflows ranging from a simple single-step endpoint up to a complicated, multi-step chain utilizing branching logic and custom javascript transformations.



ACP supports automatic rollbacks, so failure branches self-correct without the need to manually undo steps. Once you have set up a workflow, it can be reused and shared using JSON for convenience and version control.

Features

ACP includes the following features:

- Contains a library of built-in connectors to many common services:
  - 6connect ProVision
  - Amazon AWS
  - Google Cloud
  - Microsoft Azure
  - VMWare vCenter
  - Kubernetes
- Supports cross-vendor and multi-account actions with API service providers
- Supports automatic rollbacks for most API actions, greatly simplifying development
- Speeds up execution times for multi-step tasks
- Allows new ACP Workflows to be quickly prototyped based on previous work
- Provides a centralized repository for all API-driven glue code
- Utilizes a compact JSON data format for easy sharing and support
- Contains an extensive example library
- Supports embedded Javascript for complex data transformations
- Cleanly supports iteration over complex data objects
- Provides functionality for providing user-defined connectivity to other services

ACP Workflows can be executed as a single API call to the ACP Server. Many advanced automation and integration tasks can be accomplished by pairing 6connect ACP with 6connect ProVision.

Practical Applications

ACP, in combination with one or more supported services, can be used to streamline common tasks such as:

- Customer Turnups
- Automated provisioning
- IP & DNS Reallocation
- Data gathering for internal analysis tools
- Kubernetes: Allow/Deny traffic from namespace
- AWS: Create VM with DNS Zone/Record(s)
- AWS: Create or Delete VM / Cluster / Datacenter
- AWS / Route53: Retrieve all the zones in your AWS Account and push them into ProVision.
- AWS / Route53: Push ProVision DNS Group to Route53

Additional Information

To learn how to work with ACP, check out our Quick-start Tutorials:

Quick-start Tutorials:

- Quick-Start Tutorial 1
- Quick-Start Tutorial 2

For detailed information on working in ACP, see the ACP User Guide:

ACP User Guide

- User Management
- Workflow Overview
- Connectors
- Workflow Steps
- Workflow Options
- Executing Workflows and Export
- Initiator Conditions and Iteration
- Javascript Functions
- Template Workflows