MICRO FOCUS®

Operations Orchestration: Powering Your IT Process Automation

Shift into high gear with Micro Focus® Operations Orchestration. Design, deploy, and manage end-to-end IT processes across on-premise and in-cloud infrastructures with new agility. The result is faster delivery of high-quality IT services at less cost.

Operations Orchestration at a Glance:

- **Rich out-of-the-box content:**
  Choose from thousands of ready-made operations and workflows.

- **Easy-to-use workflow designer:**
  Create, customize, and debug workflows graphically.

- **Powerful orchestration engine:**
  Run, manage, and monitor IT processes at enterprise scale.

- **Open and extensible platform:**
  Achieve integrations across your IT ecosystem.

- **Secure, high-availability architecture:**
  Safeguard IT services and make them available 24x7.

The Challenge: Handoffs, Errors, and Delays

IT service requests are rising as your ability to meet them plummets. How can you focus on strategic projects when you're stalled by inefficiency—herding redundant tools, maintaining brittle integrations, and tending to error-prone processes? You need a better way to automate IT processes across teams, tools, and environments.

Orchestration, the automated coordination of IT processes, offers the high-speed approach you need. You can orchestrate any standardized, well-understood IT task or activity—from incident remediation, service management, and database integration to IaaS, cloud service delivery, and disaster recovery. Jumpstart orchestration with basic task and process automation—for example, password resets, file cleanup, server reboots, and service restarts—then take on more strategic projects.

The Solution: Operations Orchestration

Operations Orchestration (OO) is an enterprise-scale orchestration platform. With the flexibility of a Swiss army knife, OO can be invoked from almost anywhere to connect, automate, and integrate IT processes across heterogeneous systems—from physical and virtual servers to network and storage devices, on-premise or in-cloud.

OO has three main components:

- **OO Workflow Designer** is where you design, customize, and share orchestration workflows.

- **OO Central** is the robust orchestration engine that executes your workflows and provides an administrative interface for managing them.

- **OO Content Library** is a regularly maintained repository of thousands of operations, workflows, and integration adapters for numerous use cases—including cloud orchestration, server provisioning, self-service fulfillment, self-healing incident remediation, database and middleware provisioning, and disaster recovery, among others.

With OO, break down silos, integrate tools and technologies, standardize IT processes, and reduce errors.

Rich Out-of-the-Box Content

Choose from thousands of ready-made operations and workflows. With technology-agnostic OO, you can plug-and-play content for traditional and new technologies, including VMware vCenter, Oracle, SAP Amazon Web Services, Microsoft Azure, Docker, Google Cloud, and Alibaba Cloud. All content is available at ITOM Marketplace, an app-like store that brings together community-sourced, partner-created, and Micro Focus content.

Easy-to-Use Workflow Designer

Create, customize, and debug workflows graphically. An intuitive, web-based, drag-and-wire interface makes it possible—no programming required. Select content from the library, drop it into OO Workflow Designer, connect it to other operations, and test your workflow with a built-in debugger. Alternatively, you can author text-based workflows through command line interface with YAML-based CloudSlang. Because OO offers seamless integration with source-control solution GIT, you can save and share your code. It is applied and visible in Workflow Designer for collaborative design work between multiple authors in multiple locations.

Powerful Orchestration Engine

Run on demand, schedule, and monitor your IT processes at enterprise scale. OO Central is the powerful engine that executes the workflows and provides an administrative interface to manage workflows and IT user privileges. Execute workflows sequentially or in parallel and inspect the step-by-step results of your workflows in real time. And view information, such as workflow history and average execution time, on the Central dashboard. A built-in calculator even displays the ROI benefits of your orchestration flows.
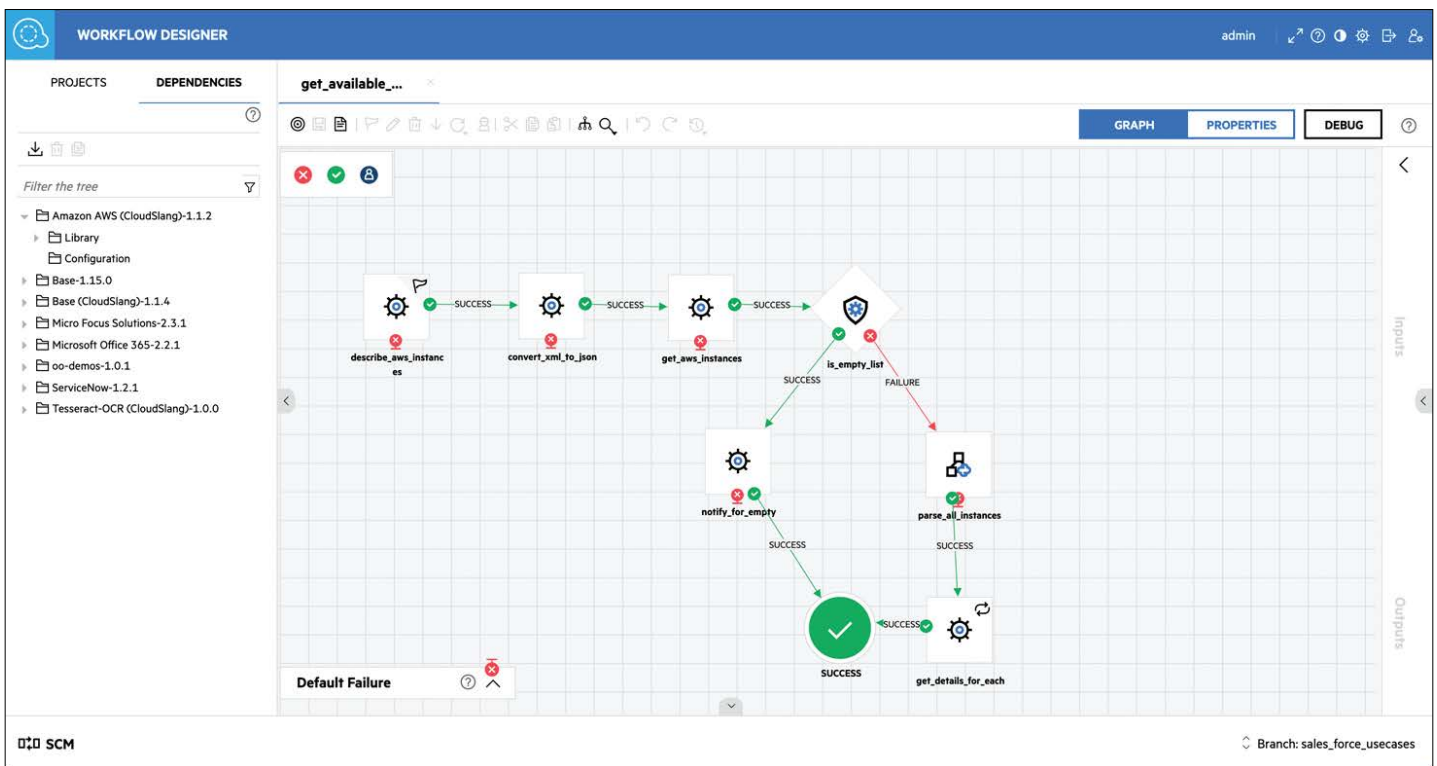

Figure 1. Create, customize, and debug workflows graphically in OO Workflow Designer.
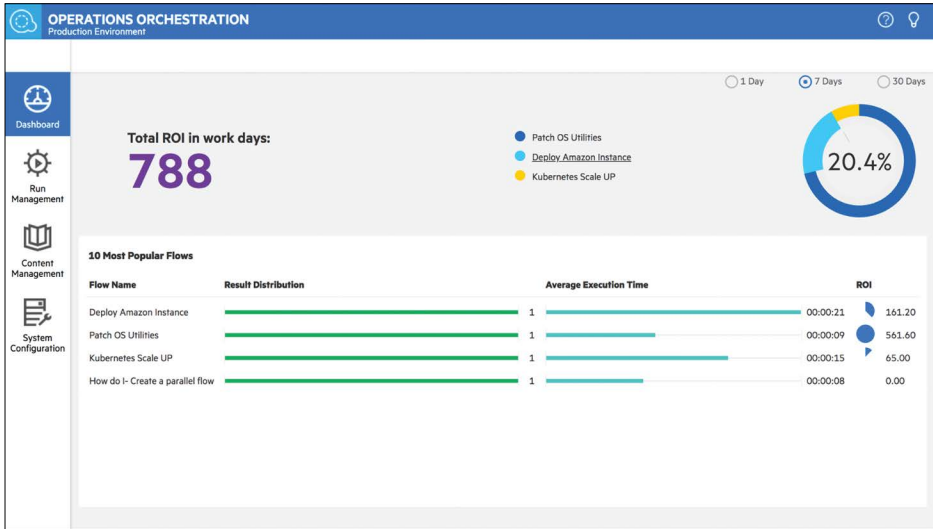
Figure 2. Measure the value of your orchestration efforts with a built-in ROI calculator in OO Central.

Open and Extensible Platform

Achieve integrations across your IT ecosystem. Use rich out-of-the-box content or design your own with Python-based operations and friendly integration and flow-generation wizards—including REST, Shell, PowerShell, and Web Services. Because OO comes with a rich set of REST APIs, you can invoke OO from almost anywhere—including monitoring and service management tools, service request catalogs, third-party cloud portals, command line interfaces, websites, and ChatOps.

Secure, High-Availability Architecture

Safeguard IT services and make them available 24x7. Control access to OO Central tasks with Role-Based Access Control (RBAC) and determine which actions OO users are allowed to perform based on their role. Remote Action Server (RAS) is part of the OO topology and allows you to securely access devices outside of your own infrastructure—for example, remote third-party sites. With simple cluster deployment, you can deploy multiple Central instances (orchestration engines) and configure a load balancer to meet production environment needs.

TTV and ROI Benefits

OO customers easily save 250–2500 hours per month—which means quick time to value and high return on investment are inevitable.

Chatops Collaboration

Simplify collaboration between people and IT systems. ChatOps offers a conversational way to interact with OO. Trigger Maestro, the orchestration chatbot, from a collaboration tool such as Slack, Microsoft Teams, or Mattermost. Maestro prompts users for required details and then performs orchestration actions, all while providing real-time updates.

Self-Service Portal

Make orchestration easy and accessible. For example, IT team members can trigger pre-defined IT processes from a friendly portal, without the need to access OO Central. First-line IT Ops admins can run orchestration flows for basic IT tasks, such as reset passwords and file clean up. Database administrators can trigger a database service restart. And DevOps engineers can request new VM provisioning. Self-service boosts productivity for all.

"OO powers our entire Infrashop, responsible for infrastructure delivery. This combines and orchestrates the services and administration efforts of multiple in-house departments into a coordinated infrastructure delivery process. OO has provided … easy, accessible automation…."

IT SPECIALIST
Medium Enterprise Banking Customer

Contact us at:
www.microfocus.com

Like what you read? Share it.

OO Content	Description
Base Content	Automate use cases such as manage users in Active Directory, execute generic queries and statements in different database systems, send and receive email, run file system operations, and execute generic HTTP clients or remote command executions.
Micro Focus Solutions Content	Enable orchestration for Micro Focus hybrid IT products, including Data Protector, Operations Bridge, Universal Discovery and CMDB, and Network Operations Manager.
Virtualization Content	Integrate with VMware vSphere VMware ESXi, Microsoft Hyper-V, Microsoft System Center Virtualization Manager, Linux KVM, and Citrix XenServer.
Cloud Content	Provision public cloud resources on platforms such as Amazon Web Services, Microsoft Azure, Google Cloud, and Alibaba Cloud.
Database Content	Integrate with database servers such as Microsoft SQL Server, Oracle, and Sybase.
DevOps Content	Orchestrate DevOps processes covering Jenkins, Nexus, Puppet, and Chef technologies.
Middleware Content	Integrate with middleware systems such as Oracle WebLogic, Citrix XenApp, Microsoft IIS, JBoss, Apache Tomcat, and IBM WebSphere.
SAP Provisioning and SAP LVM Content	Enable provisioning of complex SAP S/4 and S/4 HANA systems.
Office 365 Content	Orchestrate management of Office 365 users and mailboxes.
Server Automation Content	Enable use cases using Micro Focus Server Automation to provision, patch, update software, and perform audits on servers.
Service Management Automation X Content	Orchestrate IT service management use cases using Micro Focus Service Management Automation X.

Table 1. Examples of OO out-of-the-box content—available at the ITOM Marketplace.

Learn more at
www.microfocus.com/oo

"OO has been the glue we use to integrate and automate our various infrastructure services into coherent solutions and deliver them faster, on demand."

ENGINEER
Fortune 500 Retail Customer

MICRO FOCUS®