

Automation Development Sprint

Product Code: CNS-CAS-A-SVC-ADS

At-a-Glance

Stage: Automate

The Automation Development Sprint service delivers high-impact infrastructure and DevOps solutions through a structured, agile approach led by expert architects and consultants with deep domain expertise. Designed to accelerate delivery and maintain alignment with evolving project goals, this engagement focuses on:

- Executing work in incremental 2-week agile sprints for rapid progress and continuous feedback
- Collaborating with stakeholders during Sprint Planning to define clear, measurable objectives and prioritize technical tasks
- Delivering automation solutions such as infrastructure provisioning, CI/CD pipeline integration, and cloud-native orchestration
- Maintaining development velocity through daily stand-ups and mid-sprint reviews to identify and resolve blockers

This service is especially valuable for teams seeking speed, precision, and adaptability in automation delivery. It is offered in three editions, each tailored to your project timeline and capacity for parallel code development, ensuring optimal productivity and scalability.

Related Services

- Automation Development Design Workshop
- NCM Self-Service Design Workshop

Service Scope

Automation development service is led by a team of highly skilled architects and consultants who bring deep domain expertise across cloud infrastructure, DevOps, and enterprise automation. We follow a disciplined agile methodology, executing work in incremental 2-week sprints to ensure rapid delivery, continuous feedback, and alignment with evolving project goals.

Each sprint begins with a Sprint Planning session, where stakeholders and the development team collaborate to define clear, measurable objectives. This includes identifying priority features, technical tasks, and dependencies, as well as aligning on success criteria for the sprint.

During the sprint, the development team focuses on delivering high-impact automation solutions—whether it's infrastructure provisioning, CI/CD pipeline integration, or cloud-native service orchestration. Daily stand-ups and mid-sprint reviews help maintain momentum and surface any blockers early.

At the end of each sprint, a Sprint Closeout is conducted to review completed work and outline recommended next steps for continued progress.

This iterative approach ensures that automation solutions are delivered with speed, precision, and adaptability—allowing teams to respond to changing requirements while maintaining a high standard of quality and technical excellence.

This service is available in three editions, each designed to optimize productivity based on your project timeline and need for parallel code development.

Starter Edition

The Starter Edition focuses on code development and enhancements following the existing Design Documentation. The work is performed by a single Nutanix architect working with the customer's team.

Pro Edition

The Pro Edition provides an additional consultant that can accelerate development work. This larger team can provide technical oversight and general architectural guidance for the automation project.

Ultimate Edition

The Ultimate Edition provides an entire group of highly skilled architects and consultants collaborating to create automation development practices to deliver custom Infrastructure as a Service (IaaS) and Infrastructure as Code (IaC) solutions. The team provides high-level oversight from an architectural perspective and low-level, detail-oriented development work.

Limitations

- For each quantity purchased, development is limited a single 2-week sprint

Starter Edition

- Engagement includes a single Nutanix architect

Pro Edition

- Engagement includes a single Nutanix architect and 1 skilled consultant

Ultimate Edition

- Engagement includes a single Nutanix architect and 2 skilled consultants

Supported Automation Tools

- Nutanix Cloud Manager (NCM) Self-Service
- Terraform
- Ansible

Supported Target Provider Accounts

Provider accounts are cloud services, bare-metal, or existing machines used to deploy, monitor, and govern applications.

- Nutanix AHV
- VMware ESXi
- Amazon AWS
- Microsoft Azure
- Google GCP
- Kubernetes Platforms

Prerequisites

- Remote access to a preferred development environment, such as a virtual desktop or VPN

Note: Zoom, WebEx, and Microsoft Teams are not recommended

Nutanix Cloud Manager (NCM) Self-Service Automation Solution (On-premises Only)

- Fully supported and functional on-premises NCI cluster or Nutanix Cloud Cluster (NC2) cluster that meets all product requirements for Prism Central and NCM Self-Service

Note: For information on the requirements for deploying NCM Self-Service, see Calm Prerequisites and Deployment in *Calm Administration and Operations Guide* on the Nutanix Support Portal.

- Fully supported and functional on-premises Prism Central instance

Note: For information on the requirements for configuring NCM Intelligent Operations, see *Prism Central Installation or Upgrade in Prism Central Infrastructure Guide* on the Nutanix Support Portal.

Required Product Licenses

NCM Self-Service Automation Solutions

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Manager (NCM) Pro, Ultimate or SaaS
- Hypervisor licenses for NCI

Other Automation Solutions (Terraform and Ansible)

- Nutanix Cloud Infrastructure (NCI)
- Hypervisor licenses for NCI
- Public Cloud Platform subscriptions as needed

Delivered Artifacts

- Solution Document for Sprint Output (Code, Blueprints, etc.)
- Updated Automation Solution Document at the End of a Sprint series

Level of Effort

Starter Edition

Resource	Hours	Description
Architect	80 (40 hours per week, 2 weeks)	Sprint Planning • Daily Scrums/Updates • Design Validation • Code Enhancements and Development • Weekly Update Calls • Sprint Close Out

Pro Edition

Resource	Hours	Description
Architect	80 (40 hours per week, 2 weeks)	Sprint Planning · Technical Oversight · Daily Scrums/Updates · Design Validation · Code Enhancements and Development · Weekly Update Calls · Sprint Close Out
Sr Consultant	80 (40 hours per week, 2 weeks)	Daily Scrums/Updates · Code Enhancements and Development · Weekly Update Calls · Sprint Close Out

Ultimate Edition

Resource	Hours	Description
Architect	80 (40 hours per week, 2 weeks)	Sprint Planning · Technical Oversight · Daily Scrums/Updates · Design Validation · Code Enhancements and Development · Weekly Update Calls · Sprint Close Out
Sr Consultant 1	80 (40 hours per week, 2 weeks)	Daily Scrums/Updates · Code Enhancements and Development · Weekly Update Calls · Sprint Close Out
Sr Consultant 2	80 (40 hours per week, 2 weeks)	Daily Scrums/Updates · Code Enhancements and Development · Weekly Update Calls · Sprint Close Out

Delivery Type

Delivery Type	Delivery Activities
Virtual	<ul style="list-style-type: none"> Virtual development

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)
- Nutanix Cloud Manager (NCM)

Terms and Conditions

This document contains the entire scope of the service offer. Anything not explicitly included above is out of scope. This service offer is subject to the Nutanix Services General Terms and Conditions that can be viewed at <https://www.nutanix.com/support-services/consulting-services/terms-and-conditions>

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Nutanix Unified Storage (NUS) Services