

Service Provider Central Pilot Deployment Bundle

Product Code: CNS-SPC-B-PILOT-DEP

At-a-Glance

Stage: Deploy

The Service Provider Central Pilot Deployment Bundle accelerates the implementation and validation of a Service Provider Central (SPC) pilot environment, enabling service providers to evaluate tenant onboarding, networking, and centralized management capabilities. Designed as a strategic step in the Deploy phase of your cloud platform journey, this service focuses on:

- Deploying and configuring a pilot Service Provider Central environment
- Deploying and integrating Nutanix Central, Prism Central, and Nutanix Flow Virtual Networking
- Establishing foundational multi-tenant networking, connectivity, and service consumption capabilities
- Validating the deployment using Nutanix recommended practices and the Nutanix-provided SPC Pilot Design
- Accelerating pilot readiness through deployment guidance, testing, documentation, and knowledge transfer
- Providing operational documentation to support evaluation, future expansion, and production planning

Related Services

- NCI with External Storage Integration

Service Scope

Certified Nutanix consultants, leveraging extensive expertise in cloud infrastructure, networking, and service provider platforms, lead the deployment of a Service Provider Central pilot environment. Following Nutanix recommended practices and the Nutanix-provided SPC Pilot Design, consultants deploy and validate the infrastructure, networking, Nutanix Central, and Service Provider Central components required for pilot operations.

The engagement includes deployment and configuration of the underlying NCI infrastructure, Nutanix Flow Virtual Networking, Nutanix Central, and Service Provider Central, including the creation of a reference tenant and validation of end-to-end functionality. Consultants work with customer teams to ensure the environment is configured in accordance with the approved pilot design and ready for functional evaluation and testing.

Upon completion, the consultant delivers:

- A customized As-built Guide documenting the final deployed configuration
- A Configuration Workbook reflecting deployment decisions and operational settings
- A Test Plan documenting deployment validation activities and test results

These deliverables provide a validated operational reference for managing the pilot environment, supporting future expansion, and facilitating the transition from pilot evaluation to production-ready service provider operations.

This service includes the following activities:

Infrastructure Deployment

The service includes the deployment of a single 4-node on-premises NCI cluster at a single physical site, combining management and workload capabilities within the same cluster.

The service includes the following activities:

- Deploy and configure NCI cluster, including recommended firmware (via LCM) and AOS
- Deploy and configure the hypervisor cluster on the deployed NCI cluster
 - Configure LCM for automatic updates (online, dark site bundle, or via integrated into an existing dark site LCM webserver)
 - Deploy and integrate Prism Central
- Configure layer 2 virtual networking on hypervisor hosts
 - Configure hypervisor virtual switches
- Test and validate the deployed clusters

Optional Activities

- Deploy and configure a dark site LCM webserver running either IIS (Windows) or Apache (supported Linux OS) on the customer-provided VM image

Nutanix Flow Deployment

- Enable and license Nutanix FNS on the deployed on-premises NCI cluster
- Enable the network controller in Prism Central

Flow Virtual Networking

- Create external networks leveraging network address translation (NAT: routed NAT or NoNAT)
- Create transit virtual private clouds (VPC)
- Create tenant VPCs
- Configure and assign source network address translation (SNAT) internet protocol (IP) address
- Create subnets
- Create network gateways using either VPN or border gateway protocol (BGP)
- Configure and assign floating IPs
- Configure Layer 4 Network load balancer
- Create policy-based routing policies for the following use cases:
 - Traffic flow between subnets
 - Traffic flow in/out of VPCs
- Test and validate the deployed network configuration

Nutanix Central Deployment

- Enable Nutanix Marketplace
- Deploy Nutanix Central application
- Assist with configuring Nutanix Central certificates and keys
- Assist with joining Prism Central to Nutanix Central

Service Provider Central Deployment

- Deploy Service Provider Central
- Assist with configuring Service Provider Central certificates and keys
- Configure tenant domain
- Configure pilot Service Provider Central tenant

Project Management

Nutanix Project Management (PM) oversees Nutanix resources and aligns execution with your goals, scope, and timelines.

Core project management activities may include the following:

- Serve as a single point of contact for all project communication
- End-to-end Nutanix resource management
- Coordinate change window(s) and implementation schedules with customer
- Track and facilitate readiness and prerequisite completion
- Conduct project kickoff/technical readiness meeting(s)
- Integrate customer resources into the high-level project timeline
- Send status update(s)
- Manage timeline(s)
- Deliver created artifacts to the customer
- Facilitate project closeout activities

Limitations

- For each quantity purchased, deployment is limited to a single 4-node on-premises NCI Cluster
- Limited to pilot and lab environments only
- Limited to Service Provider Central Not for Resale (NFR) licenses
- The pilot environment, configurations, deliverables, and deployment activities provided under this service are intended solely for evaluation, validation, testing, and proof-of-concept purposes and are not production-ready.
- Customer may not repurpose, rely upon, or transition the deployed pilot environment into production as part of this engagement.

- Any production implementation, production readiness assessment, production cutover, production support, or conversion of the pilot environment to support production workloads is expressly excluded from scope and requires a separate custom Statement of Work (SOW).
- Any future production deployment requires a separate production deployment engagement and full redeployment of the solution based on an approved production design. The pilot environment is not intended to be converted, migrated, promoted, upgraded, or otherwise transformed into a production environment. Transition from pilot to production will require a net-new production deployment under a separate Statement of Work (SOW).
- Excludes integration with Operations Support Systems (OSS), Business Support Systems (BSS), billing platforms, and ticketing systems

Infrastructure Deployment

- Excludes deployment of the Cisco HCI UCS platform
- Excludes External Storage integration

Note: NCI with External Storage Integration service is required to integrate an existing Nutanix Compute cluster with a Nutanix-supported external storage array.

- Excludes deployment of NUS or NCI Advanced Replication
- Excludes integration into an external KMS
- Excludes hardening of 3rd-party components

Nutanix Flow Deployment

- Limited to 3 VPCs, 3 subnets per VPC, and 2 floating IPs per VPC

Nutanix Central Deployment

- Excludes deployment of metering, billing, and chargeback platforms

Service Provider Central Deployment

- Limited to a single onboarded pilot-tenant with an optional identify provider (IdP) for end-to-end validation
- Deployment of tenant-specific identity provider integration is limited to one reference pattern (LDAP or SAML).

Supported Hypervisors

- Nutanix AHV

Project Management

- Excludes scheduling customer resources and activities
- Excludes detailed project plan (schedule) development and management
- Excludes responsibility for creating, managing, or delivering change management communications

Prerequisites

- Hardware that meets all product requirements for

- AHV on NCI
- Nutanix Central Medium Deployment Form Factor
- Service Provider Central

Note: For information on the requirements for NCI Clusters, see Field Installation Overview in the *Field Installation Guide* on the Nutanix Support Portal.

For information on the requirements for Nutanix Central, see Nutanix Central On-Premises Deployment Prerequisites in the *Nutanix Central Admin Guide (On-Premises)* on the Nutanix Support Portal.

For information on the requirements for Nutanix Central, see Service Provider Central Deployment Prerequisites in the *Service Provider Central Deployment Guide* on the Nutanix Support Portal.

- Physical network infrastructure implemented in accordance with the provided SPC Pilot Design
- DNS records created and validated for Nutanix Central and SP Central requirements
- TLS certificates available for deployment (public trusted, internally trusted, or self-signed)
- IP addresses allocated and reserved by the customer as specified in the SPC Pilot Design
- Customer identity provider (LDAP or SAML) reachable from the management network, with required credentials provided
- Border Gateway Protocol (BGP) peering preconfigured on customer-managed routers where external routed tenant connectivity is within scope
- Completed Pre-delivery Questionnaire

Required Product Licenses

- Nutanix Cloud Infrastructure (NCI) Core-based license
- Hypervisor licenses for NCI
- Nutanix Service Provider Central Not for Resale (NFR)

Delivered Artifacts

Delivered Artifacts will be provided in English only. Delivery in additional languages must be mutually agreed upon in writing by both parties in advance and may be subject to additional fees.

Delivered Artifact	Description
Pilot Test Plan	Documents the Nutanix standard tests executed on the deployed solution and records the results of those tests to validate pilot functionality and confirm alignment with the approved pilot design. Successful completion of testing does not constitute production readiness or approval for production use.
As-built Guide	Captures the final, deployed configuration of the solution, detailing how the environment was actually built and configured in comparison to the customer-provided design.
Updated Configuration Workbook	Updated during deployment, the workbook Captures all required configuration settings and decisions gathered during the design session to support accurate and consistent solution deployment.

Level of Effort

Typically up to 8 days

Delivery Type

Delivery Type	Delivery Activities
Virtual	- Virtual deployment Note: Virtual delivery excludes rack and stack of on-premises NCI cluster nodes - Virtual project management

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Service Provider Central (SPC)

Terms and Conditions

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