



Service Description: Advanced Services – Fixed Price

Unified Computing – Accelerated Deployment Service (ASF-ULT2-UCS-ADS)

This document describes Advanced Services Fixed Price: Unified Computing – Accelerated Deployment Service.

Related Documents: This document should be read in conjunction with the following documents also posted at www.cisco.com/go/servicedescriptions/: (1) Glossary of Terms; (2) List of Services Not Covered. All capitalized terms in this description have the meaning ascribed to them in the Glossary of Terms.

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of this and other Cisco service descriptions at www.cisco.com/go/servicedescriptions/.

Cisco shall provide a Quote for Services ("Quote") setting out the appropriate fee that shall be paid by Customer for the services selected. Cisco shall provide the Accelerated Deployment Service described below as detailed on Purchase Order that references the purchaser's email address, Deal ID, Services Part No and Service Fee as defined in the Quote agreed between the parties and that, additionally, acknowledges and agrees to the terms contained therein.

Unified Computing – Accelerated Deployment Service

Service Summary

Service is provided during Standard Business Hours, unless stated otherwise.

Unified Computing – Accelerated Deployment

Cisco will configure up to one (1) Unified Computing System (UCS), which may include up to two (2) fabric interconnects, in a Customer environment at one (1) data center location. Cisco will provide an assessment, make an analysis and make recommendations to deliver an optimized Customer configuration of UCS. The intent of the Service is to align a specific use case to demonstrate business, strategic and technical aspects of the UCS within the Customer's data center.

Location of Services

Service is provided as Remote and/or On Site service at the Customer location as specified in the Quote for Service.

The Accelerated Deployment Service includes no more than three (3) On Site visits over the course of the Service.

Cisco Responsibilities

Project Management

Project management will be provided in conjunction with and is limited to the management of the Service and deliverables as described herein.

- Conduct a project kick-off meeting with Customer at the inception of the Service.
- Identify project team members.
- Define the communication flow with the project sponsor and key stakeholders and document it in the project plan ("Project Plan").
- Designate a single point of contact, the Project Manager, to whom communications in regards to the Service may be addressed and who has the authority to act on all aspects of the Service; shall be available during Standard Business Hours; and shall designate a backup contact for when the primary contact is not available.
- Review with Customer the project schedule, objectives, critical success factors and roles and responsibilities of Cisco and Customer project team members.
- Manage the project to the agreed upon Project Plan.
- Ensure completion of the Service and deliverables as described under this Service.
- Participate in regularly scheduled project review meetings or conference calls as required.
- Provide Deliverable: Project Plan.

Week One: UCS Design and Installation Validation

Use Case Workshop

An On-Site Use Case Workshop, hosted for eight to ten (8-10) Customer stakeholders, will be conducted for up to one (1) Business Day.

- Work with Customer to determine the optimal implementation strategy for the UCS platform.
- Work with Customer to identify and select one (1) specific hardware or software use case intended to showcase specific strategic, business and technical values of the UCS platform. Cisco's performance under this Service is based on Customer's selected use case. Cisco is not obligated to provide Service if the selected use case is changed during the term of the Service.
- Document the information gathered and findings derived from the workshop in the use case plan ("Use Case Plan"). Information from the Use Case Plan will be integrated into the UCS design document ("Design Document") and reported in the executive summary ("Executive Summary").
- Provide Deliverable: Use Case Plan.

Use cases supported by this Service will be limited to a maximum of one software use case.

UCS Design

A UCS Design Document, will be developed only to support the Use Case Plan. Subject to the Use Case Plan, the UCS Design Document captures the UCS architectural design for up to eight (8) UCS Manager-enabled B-Series blades or C-Series rack mounted servers. The UCS architectural design will include the mutually agreed upon applications to be implemented or migrated on the UCS platform. The architectural design defines both physical and virtual configurations for the server, network and connectivity of storage systems, including third party systems and/or tools

installed with or connected to the UCS platform. The architectural design will include planning for Customer's installation or migration for up to three (3) applications to be either installed or migrated onto the UCS platform.

- For non-virtualized environments:
Document the deployment of the selected operating system to the pilot architecture for up to eight (8) UCS Manager-enabled B-Series blades or C-Series rack mounted servers as required by the Use Case Plan.
- For virtualized environments:
Document the deployment of virtualization software (Hypervisor) installed for up to eight (8) UCS Manager-enabled B-Series blades and/or C-Series rack mounted servers as required by the Use Case Plan.
- Provide Deliverable: UCS Design Document.

Knowledge Transfer Workshop

A Knowledge Transfer Workshop will be provided On Site for up to one (1) Business Day. This workshop will provide information to Customer on the UCS architecture, design, product features and capabilities. This workshop will consist of presentations, whiteboard and design sessions around the UCS platform and Customer's environment.

Physical Installation Verification and Configuration of UCS Hardware and Software

- Verify Customer's physical installation (racking and cabling) of the Cisco UCS Hardware and provide configuration of the associated Cisco UCS Software in the Customer's data center.
- Configuration of the Cisco UCS Hardware includes:
 - configuring Cisco UCS products and installing the Customer-supplied operating system or Hypervisor as applicable and indicated below;
 - configuring the internal UCS network, servers, connectivity and presentation to storage systems using the UCS System Management console;
 - validating that the installation and configuration passes initial start up tests.
- Based upon the UCS Design Document, Cisco will perform one (1) of the following options as selected by the Customer for either a virtualized or non-virtualized environment:
 - For non-virtualized environments: Cisco will prepare and install the Customer-supplied operating system. Cisco will install one (1) single operating system on each of up to eight (8) UCS Manager-enabled B-Series blades and/or C-Series rack mounted servers and configure them through the UCS System Management console.
 - For virtualized environments: Cisco will prepare and install the Customer-supplied virtualization software (Hypervisor). The installation of the host system may be performed on up to eight (8) UCS Manager-enabled B-Series blades and/or

C-Series rack mounted servers with configuration using the Customer-supplied virtualization software management console.

Week Two: Installation/Migration Support and System Test Plan Development

Installation or Migration Support

Installation/migration support will be provided in the form of general advice and guidance for Customer's installation or migration of up to three (3) Customer-supplied applications, as documented in the UCS Design Document.

- Provide choice of support for either one (1) of the following:
 - Installation: support the Customer-led installation of up to three (3) applications onto the UCS platform; or,
 - Migration: advise and assist Customer's migration effort of up to three (3) Customer-supplied applications onto the UCS platform.

System Test Plan Development

The UCS System Test Plan will be developed, documented and provided to Customer. The UCS System Test Plan is created for the Customer's execution of the test plan. It is intended to validate system stability and readiness for a UCS production environment. The UCS System Test Plan defines the activities, schedule, environment and systems required for installation, configuration and testing on the UCS platform.

- Provide the UCS System Test Plan for the validation of key Unified Computing System features and functionality, consisting of:
 - up to five (5) application test cases to validate the UCS installation;
 - one (1) use case;
 - up to a total of fifteen (15) application test cases to validate key Unified Computing System features and functionality.
- Provide Deliverable: UCS System Test Plan.

Week Three: Production Readiness System Test Plan Execution

The UCS System Test Plan will be executed by Customer with Cisco providing test case validation in order to validate system stability and readiness for production.

- Provide assistance for Customer's execution of the UCS System Test Plan.
- Assist Customer in validation of key Unified Computing System features and functionality as well as application functionality, stability, and availability in order to ensure expected results.
- Document the pass/fail results for all tests in the UCS System Test Plan.
- Document any defects, configuration errors or other system problems that result in failed test results.

Week Four: Production Operations Readiness Support

Cisco will provide support On Site and/or Remote for Customer in the form of advice and guidance for Production Operations Readiness for the UCS platform for up to one (1) Business Day for the following Customer activities:

- Customer's integration of third party monitoring and reporting tools.
- Customer's execution of stress and load test(s) for implementation to the UCS production environment
- Cisco will provide information to Customer, concerning UCS system alerts and reporting capabilities.

Operations Run Book

An Operations Run Book will be developed and provided. The Operations Run Book describes the operational procedures required to manage and operate Customer's UCS platform. The Operations Run Book is a custom-developed document describing the Customer's installed UCS system including objectives for managing and operating the UCS platform.

- Provide Deliverable: Operations Run Book.

Executive Summary

An Executive Summary document will be developed and provided. The Executive Summary includes the Executive Brief, Use Case Summary, Architecture Diagram and UCS Design, and Unified Computing Synopsis.

- Provide Deliverable: Executive Summary.

Customer Responsibilities

Project Management

- Identify Customer's project sponsors and key stakeholders and define their roles in the participation of this Unified Computing System (UCS) project. Customer stakeholders may include management representatives, UCS system users, engineers and other technical personnel.
- Work with Cisco to schedule the kick-off meeting and communicate the Service schedule to the Customer-identified project team members.
- Review with Cisco the project schedule, objectives, critical success factors, deliverables and roles and responsibilities of Cisco and Customer project team members.
- Participate in regularly scheduled project review meetings or conference calls.
- Ensure Customer project team members are available to participate during the course of the Service to provide information and to participate in the scheduled information gathering sessions (such as interviews, review meetings, or conference calls) per the Service schedule.

Week One

- Work with Cisco to identify Customer specific objectives for its implementation of the UCS production environment.
- Ensure that all stakeholders participate in the Use Case and Knowledge Transfer Workshops.
- Work with Cisco to identify one (1) specific Use Case and Customer specific business objectives for UCS.

- Customer shall select the choice of one option for with the non-virtualized environment (operating system) or virtualized environment (virtualization software) during the design phase of the Service and communicate its selection to Cisco.
- Prior to the start of Week One services, Customer is responsible for ensuring that the Customer environment is prepared (including electrical power and space availability) and that all required hardware, software, and licenses are available to Cisco in order for Cisco to perform the Service. Customer responsibilities include, but are not limited to:
 - physical installation, cabling and power-up of the UCS Hardware;
 - provide a network connection for remote (VPN) access to the UCS as well as Internet access available for software downloads;
 - provide the required software and software licenses.
- Ensure Customer project team members participate in the architecture design development activities.
- Review the UCS Design Document with Cisco and provide feedback. It is expected that Customer will work with Cisco during one (1) review session and provide written feedback within one (1) Business Day so the Deliverable may be completed and released within two (2) Business Days. Review of the UCS Design Document shall be limited to one (1) review with Cisco.
- Customer will select and provide access to third party Physical to Virtual (P2V) or Virtual to Virtual (V2V) migration software tools to perform installation and migration services during Week Two.

Week Two

- Customer is responsible for the provision and installation of the Customer-supplied applications for the UCS platform for the Installation/Migration Support services. The applications must be Cisco supported software for UCS according to the current Hardware and Software Interoperability Matrix found at the following URL: <http://www.cisco.com/web/techdoc/ucs/interoperability/matrix/matrix.html>
- Work with Cisco to define up to five (5) test cases for UCS system test on three (3) applications (for up to a potential total of fifteen (15) test cases that will be used to develop the UCS System Test Plan.
- Advise Cisco of the expected results/outcome of the defined tests and the definition of pass/fail criteria for the tests as defined and agreed upon in the UCS System Test Plan.
- Prior to the start of Week Three services, provide all test data and required UCS hardware and software configurations.

Week Three

- Perform execution of up to five (5) test cases defined in the UCS System Test Plan in order to validate the UCS installation.
- Review and validate system test results.

- Work with Cisco to document the system requirements, configurations and connection settings.
- Work with Cisco to document the operating system or virtualization software installed.
- Work with Cisco to document the applications installed.

General Customer Responsibilities

- All information (such as but not limited to: designs, topologies, requirements) provided by Customer is assumed to be up-to-date and valid for the Customer's current environment. Cisco services are based upon information provided to Cisco by Customer at the time of the Service.
- Identify Customer's personnel and define their roles in the participation of the Service. Such personnel may include but is not limited to: architecture design and planning engineers, network engineers, and storage engineers.
- Designate a single point of contact, to whom communications in regards to the Service may be addressed and who has the authority to act on all aspects of the Service; shall be available during Standard Business Hours; and shall designate a backup contact for when the primary contact is not available.
- Designate a single point of contact to act as the primary technical interface to the designated Cisco engineer.
- Customer will provide Cisco with such general assistance and access to Customer's sites and/or facilities as Cisco may require enabling Cisco to provide the Service and comply with the Cisco's responsibilities set forth herein.

Examples include but are not limited to:

- Provide reasonable access to Customer site(s) and facilities including, where applicable, computer equipment, telecom equipment, facilities and workspace.
 - Provide proper security clearances and/or escorts as required to access the Site.
 - Schedule and provide the necessary Customer facilities (such as: conference rooms, projectors and conference bridges) for On Site meetings as required for the provision of the Service and per the project schedule.
- Unless otherwise agreed to by the parties, Customer shall respond within two (2) Business Days of Cisco's request for any other documentation or information needed to provide the Service.
 - Customer is responsible for determination of its requirements, and Customer shall retain overall responsibility for any business process impact and any process change implementations.
 - For installation within EU, Customer's Site must meet at least the minimum EU-level of employee health and safety specifications.
 - Customer shall ensure that Customer's Site shall be ready prior to the date scheduled for Cisco to perform the Service.

- Customer shall supply the workplace policies, conditions and environment in effect at Customer's Site.
- Installation of server operating system or Hypervisor software onto the UCS platform is limited to the Cisco supported software for UCS according to the current Hardware and Software Interoperability Matrix found at the following URL: <http://www.cisco.com/web/techdoc/ucs/interoperability/matrix/matrix.html>
- Customer understands that all references to UCS System Management console implies Cisco's UCS B-series server platform or UCS-C series server.
- Customer is responsible for testing its own applications on the UCS platform, providing test tools specific to the environment being tested, as well as providing any specific applications for the testing.
- Customer expressly understands and agrees that the Service shall take place and complete within ninety (90) calendar days from issuing a Purchase Order to Cisco for the Service herein.

Cisco will provided written notification upon completion of the Service to Customer. Customer shall within five (5) Business Days of receipt of such notification provide written acknowledgement of Cisco's completion of the Service. Customer's failure to acknowledge completion of the Service or to provide reasons for rejection of the Service within the five (5) Business Day period signifies Customer's acceptance of completion of the Service in accordance with this Service Description.

Invoicing and Completion

Invoicing

Service will be invoiced upon completion of the Service.

Completion of Service