Cisco Intelligent Automation Solution for Cloud Services Datasheet

Leverage Cisco Expertise to Accelerate Deployment of Your Cloud Automation Solution

Cisco Intelligent Automation Solution for Cloud

Developing a Cloud Infrastructure as a Service (IaaS) solution involves multiple facets. A key area – arguably the significant area that differentiates cloud from a virtualized data center - is in management automation. Management automation drives the rapid provisioning associated with and required by cloud services. Cisco Intelligent Automation for Cloud 3.0, Starter Edition is Cisco's industry-leading management automation product that enables organizations to meet these rapid provisioning challenges for Cloud IaaS.

Organizations – whether public sector, service provider, or traditional enterprise business – are often challenged when adopting new products and technologies. According to numerous studies, they spend up to 70% of their IT budget on maintenance, with the balance targeted toward innovation. How are they able to adopt new solutions that deliver productivity, enable business streams, and even establish new business models if the bulk of their effort is dedicated to existing systems' and processes' maintenance? Organizations of all types and size turn to Cisco Services to help them accelerate their product deployment and customization projects, and toward this goal, Cisco offers the Cisco Intelligent Automation Solution for Cloud services.

Investment in Your Engagement

Cisco offers a comprehensive range of services to help customers plan, build and manage cloud environments. Cisco Services consultants use proven methodologies and tools to help in each of these areas. The up-front investment in developing such services methodologies should not be underestimated – typically many hundreds and indeed in cases many thousands of man hours are invested in the development of Cisco Services methodologies and tools. Customers therefore can rest assured that when a Cisco Services consultant arrives at the start of the Cisco Intelligent Automation for Cloud Solution services, or any Cisco Service for that matter, that they are benefiting from much more than just the time the consultant spends on their specific project. In addition to the proven methodologies and tools, the consultant will already have invested time in planning and preparing for

the engagement, and is supported by a global virtual team of experts who share knowledge in Cisco's unique collaborative approach across both the services and R&D organizations. Not only does this ensure that any customer specific challenges receive analysis from a global team of experts, Cisco's approach ensures that customers gain unique insights and intellectual property into the products, technologies and solutions relevant to their business challenges.

Available Deployment Service Options

Cisco Services offers three (3) deployment service options, each of which is aligned with common customer needs and the Cisco Intelligent Automation for Cloud Starter Edition's working mode. The Starter Edition can be deployed in one of three ways:

1. Standard: With standard functionality

2. Enhanced: With optional pre-defined enhancements (configuration options)

3. Custom: With significant customer-specific customization

Aligned with these product deployment modes, there are three (3) services available to help your organization deploy the Starter Edition:

1. **Cisco Intelligent Automation for Cloud Deployment Services - Standard** – for customers wishing to experiment (or "pilot") with Starter Edition unmodified in their Cisco UCS-based cloud IaaS environment. This enables the customer to experiment with a basic IaaS cloud, and to learn more about the production requirements and implications of this technology. This is a fixed scope service.

2. **Cisco Intelligent Automation for Cloud Deployment Services - Enhanced** – for customers wishing to deploy the Starter Edition into a production environment with available pre-defined enhancements. This service may be customized to cater for production test and readiness requirements.

3. **Cisco Intelligent Automation for Cloud Deployment Services - Custom** – for customers preferring assistance in designing customer specific portal user interface screens and new cloud IaaS service options involving advanced orchestration workflows.

Figure 1, following, presents a graphic snapshot of available deployment service options:

Cisco Intelligent Automation Solution for Cloud

Service	Cisco IAC Deployment Services - Standard	Cisco IAC Deployment Services - Enhanced	Cisco IAC Deployment Services - Custom
Customer Need	For customers wishing to pilot standard product	For customers wishing basic enhancements and/or who require support for production deployment	For customers who require highly customized solutions
Description	• Pre-defined design • Install standard product unmodified • Fit to your environment • Portal configured to your logo • Development Environment installation only • No customization • No additional use cases • No multi-tenancy • No change requests	• Pre-defined design with defined, optional extensions • Install standard product • Fit to your environment • Development + (optionally) Test + Production Environment installations • Fit selected optional enhancements to your needs • No additional use cases • No multi-tenancy	• Custom design Portal & Orchestration workflows • Ultimate scope flexibility • Integration options: e.g. with trouble ticketing system • Install customized product into all environments • Custom use cases • Custom error handling • Resource management • Multi-tenancy option
Product Content	Mandatory: Cisco IAC Starter Edition 3.0 *Standard* use of Content Pack	Mandatory: Cisco IAC Starter Edition 3.0 *Standard & Enhanced* use of Content Pack	Optional: Cisco IAC Starter Edition 3.0 *Standard, Enhanced & Customized* use of Content Pack
Assumptions	Cisco UCS as server Server already deployed vCenter only	Cisco UCS or other vendor's Server already deployed vCenter only	Fully customized requirements

Figure 1.   Available Deployment Service Options

Using Cisco Services consultant's expertise, these services will enable your team to leverage their experience of deploying and customizing many Cisco Intelligent Automation deployments across the globe. Additionally, and as a result of close collaboration with the Cisco R&D teams, these Cisco Services consultants bring unique insights into cloud services definition, cloud architecture design, and cloud automation challenges and best practices.

This Service helps accelerate implementation and time to value of your Cisco Intelligent Automation solution, resulting in a better cloud experience for your end users and customers, while driving down those costs and risks associated with new technology adoption and cloud design scaling.

Which Service Is Most Appropriate For You

Developing a detailed design is essential to reducing risk, delays, and the total cost of cloud deployments. With the Pre-Production Validation Service and Deployment Service, Cisco provides an implementation-ready design for cloud automation that you can use to realize your cloud goals. For customers requiring a custom approach through the Design and Deployment Service, Cisco Services experts evaluate the organization's technical requirements and cloud design goals to create an optimized architecture able to reduce the need for costly redesign, improve performance, and scale to support future business objectives. Cisco strives for the design that achieves your business and technical goals, while minimizing your costs.

There are various options in each service offer within the Cisco Intelligent Automation Solution for Cloud, that align with features of the Cisco Intelligent Automation for Cloud Starter Edition product, and/or your process and

business requirements. Table 1, following, outlines a set of criteria that will enable you to decide which service is most appropriate for your requirements. For example, if you require Cisco Services to take the solution into your production deployment, your options are the Deployment service, or the Design and Deployment service. This is because the Pre-Production Validation service doesn't support this particular task.

Table 1.   Cisco Intelligent Automation Solution for Cloud Service Options – Helping You Choose

Customer Need/Preference	Standard	Enhanced	Custom
I need to get started with the simplest offer and then we add follow-on services	🟢	🟡	🔴
I'm not sure on our cloud strategy or automation needs: I need guidance and something to demonstrate to my organization	🟢	🟡	🟡
My team needs help to adopt Cisco IAC, to get started – get them enabled and then they can take it into production	🟢	🟡	🟡
I need to experiment with the solution before we go live, so we can understand production implications and requirements	🟢	🟢	🔴
I really can only accept the "out of the box" product – anything beyond this is too complex for our needs and I cannot afford additional support costs	🟢	🟢	🔴
I am happy with your "out of the box" Content Pack for IaaS	🟢	🟢	🔴
I need some alignment to my environment e.g. branding of the portal – but without writing new code	🔴	🟢	🟢
I need Cisco to take this into production for me	🔴	🟢	🟢
I want Cisco IAC to run non-Cisco server platform	🔴	🟢	🟢
We need a secure multi-tenant solution and/or vCloud Director integration	🔴	🔴	🟢
I need market differentiation, I need to be able to change the service offer – so I expect new cloud use cases (services) to be designed for me	🔴	🔴	🟢
I need you to integrate with my other OSS systems: Trouble ticketing, billing etc	🔴	🔴	🟢
I really need a heavily customized cloud portal and/or orchestration workflows	🔴	🔴	🟢
I am prepared to pay extra for support of customizations you design for me	🔴	🔴	🟢
I like the flexibility Cisco IAC provides for customization, so I'm happy with requiring a software development project to extend Cisco IAC to meet my needs	🔴	🔴	🟢
I need to include additional network elements e.g. Firewall, Load balancer, VRF etc in my orchestration workflows	🔴	🔴	🟢

Key:

🟢 Fully compliant with my needs here

🟡 Partially compliant with my needs here

🔴 Non-compliant with my needs here

Optional Related Services

Cisco Intelligent Automation for Cloud Services is part of Cisco's unique CloudVerse architecture and Cisco Cloud Enablement Services. Cloud is much more than an infrastructure layer with automation functioning as a key part of a comprehensive cloud solution. Additionally, other aspects such as security, applications, and chargeback are all important facets of cloud. Cisco Cloud Enablement Services offer a comprehensive approach to realizing your cloud strategy and vision by covering all key aspects of the process.

Why Cisco Data Center Services

Today, the data center is a strategic asset in a world that demands better integration among people, information, and ideas. Your business and data center work better when technology products and services are aligned with your business needs and opportunities. Using an innovative, unified view of data center assets, Cisco and our industry-leading partners deliver services that accelerate the transformation of your data center. Cisco takes an architectural approach to help you efficiently integrate and manage data center resources. Cisco Data Center Services can help you reduce costs and deliver high availability and application performance.

Cisco Expertise

Cisco and our partners use leading practices and proven methodologies to help you quickly and efficiently plan and deploy a high-performance, resilient, and scalable architecture. Cisco Intelligent Automation Solution services are delivered by Cisco Services experts who hold a wide array of industry certifications and are subject-matter experts in business and technology architectures and data center technologies. They have direct experience in planning, designing, and supporting cloud infrastructures and cloud automation projects. Our product and technology expertise is continuously enhanced by hands-on experience with real-life cloud deployments and broad exposure to the latest technology and implementations.

Availability

The Cisco Intelligent Automation Solution services are widely available. Contact your local Cisco account manager for information about availability in your area.

For More Information

For more information about the Cisco Intelligent Automation Solution, visit www.cisco.com/go/dcservices or contact your local Cisco account manager.