

Cisco Services for Cisco Tetration

Near real-time visibility with deep forensics, segmentation, workload protection, and behavior-based application insights

What if you could actually look at and understand every data packet that has ever traversed your network?

In today's environment of rapid application deployment and application mobility, network traffic is predominantly east-west, and data centers are becoming increasingly complex. This surge in east-west traffic exacerbates the challenges for data center operations. Without full visibility into network traffic, IT has difficulty fully understanding exact application communication patterns and implementing policies between different application tiers.

The Cisco® Tetration Analytics™ solution provides pervasive visibility into your data center and cloud environments that was not possible before. By using both hardware and software sensors deployed across the data center infrastructure, Cisco Tetration collects every packet and every flow at every speed. Moreover, we can add third-party configuration data, such as server load-balancing configurations and configuration management database information to the sensors, to increase the solution's full understanding of your environment. In addition to the granular packet-based telemetry, the Cisco Tetration solution can also collect and maintain inventory about the processes running on each of the servers. This new visibility enables you to have a more nimble and responsive environment to support all the network and application changes coming your way.

If limited skills or resources are preventing your organization from taking full advantage of this new technology, then consider adding Cisco Services to your implementation strategy. We can help you integrate the platform into your production data center environment, define use cases relevant to your business objectives, tune machine learning, and validate policies and compliance to improve application and operation performance.

Our professional and support services can help increase your time to value, reduce risk in your production environment, and help you benefit the most from the Cisco Tetration platform.

Benefits

- Achieve optimal design for the Cisco Tetration platform and scale
- Reduce application discovery effort with help from Cisco experts and leading best practices
- Increase the value of the Cisco Tetration solution with expert system analysis
- Increase your team's knowledge to fully benefit from the value of the Cisco Tetration platform
- Improve operational performance for your Cisco Tetration platform with ongoing support from experts
- Rapidly evolve your data center policies to better align them to your changing business needs
- Simplify operational decisions about complex data center application migration

Achieve faster time to value with Cisco Services

The Cisco Tetration solution can deliver significant advantages for your business and help you quickly gain the benefits of the platform while also mitigating implementation risk. We offer a comprehensive portfolio of services across all Tetration solution configurations: 39-rack-unit (39RU), 8RU, Tetration Cloud, Tetration-V, and Tetration SaaS. These services provide expert guidance to help you accomplish your business and technical goals. Our services can help you:

- Identify and address technical and operational readiness to effectively deploy the Tetration solution to support your target use cases
- Define parameters and bring up clusters with relevant system checks
- Install sensors to increase the effectiveness of data collection from your network
- Analyze and verify application dependencies and provide policy recommendations
- Deploy and integrate Cisco Tetration in data centers and validate policies and compliance to improve application and operation performance
- Achieve faster time to value, as well as comprehensive adoption, optimized policies, increased application visibility, and solution-wide support
- Optimize your Cisco Tetration environment, supporting upgrades, system administration, and ongoing operation
- Build custom dashboards based on operational KPIs
- Provide consultative support and guidance for segmentation and workload protection
- Support and provide advice on use cases, including compliance, flow analysis, forensics and visibility, near-real-time inventory, segmentation and policy enforcement, application/software inventory and process detection, network performance, and neighborhood graphs
- Support day-2 operations with our help for tool chain integration such as Splunk and ServiceNow integration, knowledge sharing on best practices, and development of an ecosystem and features roadmap
- Integrate existing data center monitoring and operations tools with the Cisco Tetration platform

Put Cisco expertise to work to accelerate your success

Our Cisco Tetration Services portfolio provides a range of professional, solution, and product support services, from strategy to adoption to ongoing support (Figure 1). When engaged early, the Cisco Services team can help you better align your business and IT goals while offsetting any costs associated with unnecessary, unplanned rework and a lack of operational readiness, which often result from poor or uninformed planning. Our expert support works to eliminate points of failure through careful design and the application of best practices. Service offerings include:

Advise: Cisco Advisory Services help you to determine the right strategy with detailed analysis and assessments and planning and design activities. These services help guide you through the steps necessary to gauge the merits of the solution and prepare for a successful solution deployment.

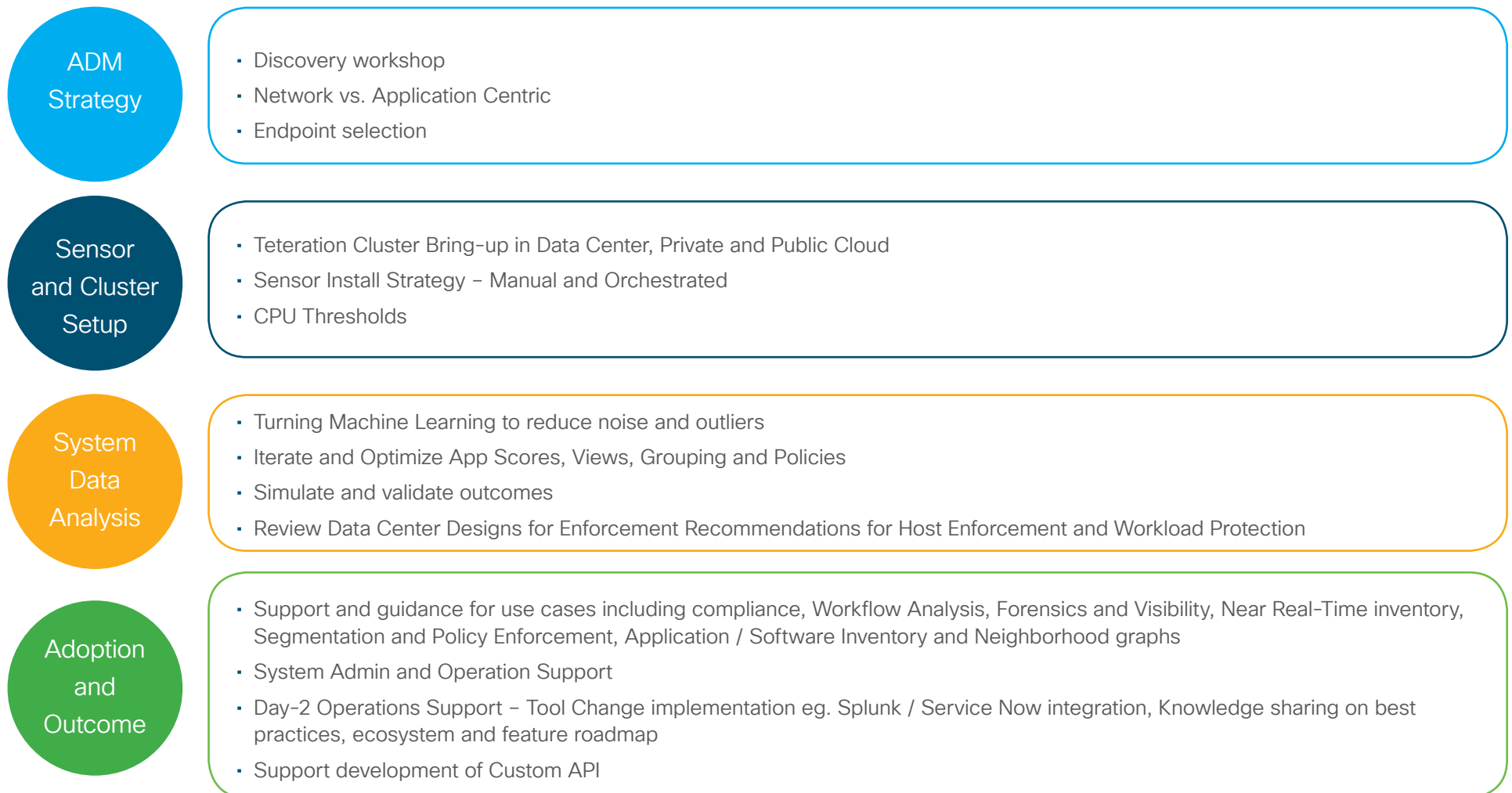
Implement: Cisco Implementation and Testing Services provide the expert assistance needed to implement the solution and validate its performance. We help you create and implement detailed test plans; develop implementation plans; and install, configure, and integrate new solutions in your production network.

Optimize: Cisco Business Critical Services are a comprehensive portfolio of subscription services designed to help you simplify complexity, continually optimize IT, reduce OpEx, and achieve efficiency in your production environment through solution optimization. By providing unrivaled technology expertise and support for actionable analytics, automation, and compliance, we enable a secure, efficient, and agile technology environment.

Cisco and our industry-leading data center partners offer a selection of custom and fixed-price, fixed-scope services for the Tetration solution to help you quickly and safely accelerate deployment of this innovative technology. With our expertise and knowledge, you can gain the full potential of this platform in your environment and quickly reap the benefits of your Cisco Tetration solution.

Cisco Tetration Services

(Figure 1)



These services offer the same core deliverables as custom engagement services and are designed to help you achieve your specific goals for the Cisco Tetration solution. These services include such deliverables as:

- Expert planning, modeling, and implementation to bring the Cisco Tetration cluster into production within four weeks
- Customized as-built documentation articulating the optimal deployment and policy model, with recommended next steps and an operational guide for scaling the implementation throughout your production environment
- Cluster setup and software installation
- Assistance with sensor installation
- ADM analysis of applications
- Application views, checkpoints, and compliance review and recommendations
- Recommended whitelist policies with endpoint group definitions
- Hands-on knowledge transfer
- Software upgrades and operations
- Use-case-led services approach around transformative opportunities such as data center application migration and consolidation, application landscape discovery and visibility, and whitelist policies
- Review of your existing data center design to understand the current data center infrastructure and requirements for the future data center policy framework and provide policy implementation recommendations

Available custom services include:

- **Cisco Advise and Implement Service** for Tetration are custom services scoped to meet your specific business and technical objectives. These services help you with cluster activation, sensor placement strategy and installation, application dependency mapping (ADM) for runtime and compliance, customer dashboard creation, policy implementation recommendation, and knowledge transfer.
- **Cisco Business Critical Services** for Tetration are an annual subscription offer that provides ongoing support for your Cisco Tetration production environment. These services include whitelist policy and enforcement guidance, application analytics insights, configuration, software change and system admin support, ADM for runtime and compliance, and ongoing knowledge transfer.
- **Cisco Solution Support:** For ongoing technical support, we offer [Cisco Solution Support](#) to help you maximize efficiency, reliability, and uptime. This service centralizes support across your multivendor environment with solution-level experts who accelerate issue management and resolution, which has resulted in 21 percent fewer issues, saving \$37 million in downtime.
- **Cisco Managed Services:** If you need help managing your operations, [Cisco Managed Services](#) help you optimize and manage your IT environment while minimizing disruption as you adopt new technologies such as Cisco Tetration. We provide the expertise to help you modernize your IT while delivering consistent always-on service availability.

With the expertise of Cisco Services for Cisco Tetration, you gain solutionwide support to help enable faster time to value, comprehensive adoption in your environment, optimized policies, and improved application performance.

Available fixed-price services include:

- [Cisco Quick Start Service for Cisco Tetration Analytics \(Medium\)](#)
- [Cisco Quick Start Service for Cisco Tetration Analytics \(Solution\)](#)

Next Steps

To learn more about how Cisco Services can help you successfully and quickly deploy the Cisco Tetration Analytics solution, visit <https://www.cisco.com/go/dcservices> or contact your Cisco sales representative or Cisco authorized partner.