CISCO APPD TO SPLUNK O11y CLOUD MIGRATION

Service Overview:

This 5-day mentored migration engagement helps customers plan and execute a scoped pilot migration—covering up to one (1) representative application or service (≤ 5 nodes)—from AppDynamics (on-prem/traditional) to Splunk Observability (a.k.a. O11y) Cloud (cloud-native/Kubernetes). Netnology SMEs map current AppDynamics telemetry and dashboards to OpenTelemetry-based instrumentation, deploy a pilot environment for the selected service, validate dashboard / alert parity, and deliver a migration roadmap with effort, risk, and cost guidance.

Solution Overview:

Cisco's observability strategy positions AppDynamics for traditional or on-prem applications and Splunk Observability Cloud for modern, cloud-native, microservices, and Kubernetes environments.
This offer aligns with that model by:
- Leveraging OpenTelemetry for vendor-neutral instrumentation.
- Deploying the Splunk OpenTelemetry Collector (typically via Helm for Kubernetes) to stream metrics and traces to Splunk Observability Cloud.
- Optionally correlating ThousandEyes data for digital-experience visibility.
- Enabling interoperability through AppDynamics ↔ Splunk integrations such as *Log Observer Connect* and deep links for hybrid visibility.
- Taking advantage of Splunk O11y Cloud's real-time streaming analytics and AI-driven correlations for microservices and Kubernetes workloads.

Service Benefits:

Netnology has a team of world class engineers who specialize in Cisco AppDynamics and Splunk Observability Cloud Solution and are passionate about customer success. Netnology will partner with you to provide:

- Rapid value: first workload visible in Splunk O11y Cloud within days.
- Accurate mapping from AppDynamics BTs, health rules, and dashboards to OpenTelemetry-based services, metrics, and traces.
- Validated KPI parity—confidence that key metrics and alerts function post-migration.
- Actionable migration roadmap with phased waves, rollback guidance, and cost guardrails.

Service Scope:

As part of this 5-day Mentored Migration engagement, Netnology will help customers migrate a representative application or service (up to one application / five nodes) from AppDynamics to Splunk Observability Cloud through the following activities:

- Discovery & Assessment
  - Inventory the selected AppDynamics-monitored application (tiers, BTs, health rules, dashboards, RUM/synthetics).
  - Analyze existing observability coverage and data flow (AppD metrics, alerts, and dashboards).

- Define migration scope, architecture, and success criteria aligned with customer KPIs.
- Architecture & Mapping
  - Establish the OpenTelemetry-based architecture and deployment model for the Splunk OpenTelemetry Collector.
  - Define service boundaries, naming conventions, tag schema, and target metrics/traces to migrate.
  - Map AppD business transactions and health rules to equivalent Splunk O11y entities and alerting logic.
- Pilot Implementation
  - Deploy and configure the Splunk OTel Collector (Helm for Kubernetes or applicable host/container method).
  - Enable auto or manual instrumentation based on language and framework.
  - Forward metrics and traces to Splunk Observability Cloud and optionally logs to Splunk Cloud/Enterprise.
  - Recreate up to three (3) dashboards and three (3) alert rules aligned with customer KPIs.
  - (Optional) correlate Splunk logs and ThousandEyes test events for end-to-end visibility.
- Validation & Findings
  - Validate that data flows correctly to Splunk O11y Cloud, ensuring signal quality, latency, and KPI parity with AppD.
  - Conduct limited side-by-side verification for the pilot service (brief dual-run for confirmation only).
  - Document findings and recommendations within the defined pilot scope (≤ 1 application / 5 nodes).
- Migration Roadmap & Enablement
  - Develop a phased migration roadmap outlining wave groups, dependencies, rollback plan, and estimated effort.
  - Deliver an operational runbook for onboarding additional services using the same process.
  - Conduct knowledge transfer and next-step guidance with customer operations and development teams.

Note: This This 5-day engagement delivers a scoped pilot migration and migration roadmap. Full production rollout, multi-application onboarding, or automation can be delivered as a follow-on Mentored Migration or Install engagement.

Target Audience:

Application Owners, SRE/DevOps Engineers, Cloud Platform / Kubernetes Teams, Infra/NetOps, and Observability Leads modernizing applications from on-prem to cloud.

Prerequisites:

Customer needs to ensure that all equipment and devices are racked & stacked, cabled and powered-up prior to the kick-off. Customer also needs to acquire the necessary software licenses for the deployment of AppDynamics SaaS, Splunk Observability Cloud, ThousandEyes SaaS (optional) solutions.

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	• Project Overview • Solution Overview • Success Criteria
2.	AppDynamics Assessment	• Review existing AppDynamics configuration (BTs, tiers, health rules, dashboards) • Inventory monitored applications and data sources • Identify telemetry, alerting, and dashboard elements for migration
3.	Splunk O11y Setup	• Configure Splunk OpenTelemetry Collector (Helm for K8s or host/container) • Ingest metrics, logs, and traces into Splunk O11y Cloud • Build up to three (3) dashboards and three (3) alert rules aligned to customer KPIs
4.	Mapping & Parity Validation	• Map AppDynamics business transactions and health rules to OTel-based services, metrics, and alerts • Validate KPI and alert parity between AppDynamics and Splunk O11y (≤10% variance) • Confirm signal quality and alert performance
5.	Pilot Environment Deployment	• Deploy pilot workload (one application / ≤ five nodes) with OpenTelemetry instrumentation • Verify end-to-end data flow (metrics, traces, logs) to Splunk Observability Cloud • Demonstrate monitoring and alert behavior for the pilot service
6.	Migration Roadmap	• Define phased migration plan and wave groupings • Document risks, mitigations, rollback approach, and licensing considerations • Provide recommendations for scaling migration across additional services
7.	Validation Testing	• Execute pilot validation to confirm visibility, dashboard accuracy, and alert behavior • Validate end-to-end data flow between AppDynamics and Splunk Observability Cloud for the pilot service. • Document improvements in latency, error rates, and user experience metrics within the defined scope
8.	Knowledge Transfer	• Explain to the customer how to configure and manage Splunk Observability Cloud independently