



EDUCATIONAL SERVICES

Turbonomic Training Topics

From the lists below, place a checkmark next to the topics you would be most interested in:

Fundamentals

Technology Overview UI Walkthrough

*Required for all
new trainings*

- Policies
- Applications
- Planning
- Administration Settings
- Analysis Settings
- Dashboards & Reports
- ServiceNow Integration

Advanced Topics

The Platform

- Market Deep-Dive
- Shared-Nothing Migration
- Installation & Maintenance
- Mediation
- Branding
- Troubleshooting

Public Cloud

- AWS
- Azure

Cloud Native

Applications

- AppDynamics
- Dynatrace

Applications (cont.)

- New Relic
- Datadog
- JVM
- WebSphere
- Tomcat
- JBoss
- WebLogic
- MySQL
- SQL Server
- MS Exchange
- WMI / SNMP

Platform Integrations

- REST API
- Action Scripts
- ServiceNow
- Cisco UCS Director

Turbonomic 7

Hypervisors

- Hyper-V
- XenServer
- BareMetal
- Red Hat Virtualization
Manager
- vCenter
- Nutanix Acropolis
- IBM PowerVM

Storage

- HPE 3PAR
- Dell Compellent
- EMC VMAX
- EMC ScaleIO
- EMC VNX
- Hitachi Data Systems
- EMC VPLEX
- NetApp
- Pure
- EMC XtremIO

Fabric

- Cisco UCS Manager
- HP OneView
- Cisco UCS Central

Hyperconverged

- Cisco Hyperflex
- Nutanix

Network Control

Virtual Desktop

Infrastructure (VDI)

- VMware Horizon



ACE Topic Descriptions

Technology Overview / UI Walkthrough

- ❖ An understanding of the technology underlying The Platform, i.e., how does The Platform solve the ARM problem and assure performance and maximize efficiency, while guaranteeing compliance
- ❖ Familiarity with the user interface so you can:
 - See the state of your environment
 - Understand the drivers of a particular action

Duration: 2.5 hrs

Prerequisite: Understanding of Virtualization

Policies

- ❖ Familiarity with The Platform's policy builder
- ❖ Experience creating policies to comply with business constraints, such as administrative domains, maintenance windows, licensing, and data locality
- ❖ An understanding of groups in The Platform: how to use existing and custom groups, and how to create custom groups

Duration: 2 hrs

Prerequisite: Technology Overview / UI Walkthrough

Applications

- ❖ An understanding of how The Platform assures application performance using a variety of target types
- ❖ Understand how The Platform discovers new metrics when you add Application targets
- ❖ New ways to integrate application performance data into The Platform for improved understanding of demand, and consequently, better actions

Duration: 2 hrs

Prerequisite: Technology Overview / UI Walkthrough



ACE Topic Descriptions

Planning

- ❖ An understanding of the Plan view, enabling you to use The Platform for capacity planning, and to simulate “What if . . .” scenarios in your hybrid-cloud environment
- ❖ Familiarity with template types, how to create them, and their use for representing workload, hosts, or storage in a plan

Duration: 2 hrs

Prerequisite: Technology Overview / UI Walkthrough

Administration Settings

- ❖ Platform administration skills covering:
 - User setup
 - Target configuration
 - Software updates

Duration: 2 hrs

Prerequisite: Technology Overview / UI Walkthrough

Analysis Settings

- ❖ An understanding of how to configure analysis settings to tune the market in The Platform
 - Shape resize behavior
 - Set the Desired State
 - Adjust market prices

Duration: 2 hrs

Prerequisite: Technology Overview / UI Walkthrough



ACE Topic Descriptions

Dashboards & Reports

- ❖ Familiarity with the reporting capabilities of The Platform
- ❖ The ability to create your own custom dashboards

Duration: 1 hr

Prerequisite: Technology Overview / UI Walkthrough

ServiceNow Integration

- ❖ The ability to integrate Turbonomic with ServiceNow, and configure actions to be approved before they are executed in a Right Time Action Window

Duration: 1 hr

Prerequisite: Technology Overview / UI Walkthrough



Advanced Topic Descriptions

The Platform

- ❖ Go under the hood of the Turbonomic Platform
- ❖ Learn more nuances regarding the Market
- ❖ This module also covers installation, maintenance, and troubleshooting

Duration: 1 hr

Public Cloud

- ❖ Learn how Turbonomic can manage your Public Cloud environment and reduce your cloud spend
- ❖ Understand Reserved Instance (RI) recommendations and fully utilize existing RIs
- ❖ Optimize workloads for performance or efficiency with Turbonomic cloud resize actions
- ❖ Plan workload migrations from On-Prem to the Public Cloud

Duration: 1 hr

Cloud Native

- ❖ Understand cloud-native technologies, including an overview of Kubernetes and Cloud Foundry
- ❖ Understand how Turbonomic recommends actions proactively for containers including rightsizing containers, cluster scaling, and moving pods to relieve node congestion
- ❖ Understand the deployment of a *kubeturbo* container pod in a Kubernetes cluster

Duration: 1 hr

Applications

- ❖ Bridge the app-infra gap with full-stack understanding of application demand using Turbonomic
- ❖ Learn how Turbonomic leverages application data APM targets like AppDynamics and Dynatrace to provide full-stack resource management
- ❖ Turbonomic can also give you application consumption metrics when you add App Servers and Database Servers

Duration: 1 hr



Advanced Topic Descriptions

Platform Integrations

- ❖ Take Turbonomic actions one step further with UCS Director orchestration, Action Scripts, and our REST API
- ❖ Integrate with approval management software ServiceNow and submit actions for approval in ServiceNow workflows

Duration: 1 hr

Turbonomic 7

- ❖ Learn more about our newest offering, Turbonomic 7, and how to deploy it
- ❖ Turbonomic 7 is containerized and able to scale with the largest environments

Duration: 30 min

Hypervisors

- ❖ Understand hypervisor nuances with Turbonomic and see how the platform interacts with other hypervisors
- ❖ Learn about the different data we obtain from vCenter, Hyper-V, XenServer, BareMetal, RHVM, Nutanix Acropolis, and IBM PowerVM

Duration: 1 hr

Storage

- ❖ Enhance Turbonomic's full stack understanding of application demand by including Storage targets
- ❖ We will cover how to connect to different storage targets and the information obtained by Turbonomic

Duration: 1 hr



Advanced Topic Descriptions

Fabric

- ❖ See how Turbonomic connects to Fabric targets like Cisco UCS and HPE OneView
- ❖ Learn how Turbonomic manages Fabric targets to improve actions for chassis, IO modules, ports, and switches

Duration: 30 min

Hyperconverged

- ❖ Learn how Turbonomic integrates with Hyperconverged targets like Cisco Hyperflex and Nutanix
- ❖ Turbonomic will stitch information from the Hyperconverged target and the associated hypervisor and fabric targets together to provide deeper insight into your environment

Duration: 1 hr

Network Control

- ❖ Understand how Turbonomic can assure network performance for multi-tiered applications and assure the performance of VMs that frequently communicate with one another across the network
- ❖ Turbonomic connects to NetFlow, Arista, Tetration, and sFlow

Duration: 30 min

Virtual Desktop Infrastructure (VDI)

- ❖ Learn how Turbonomic manages Business Users and Desktop Pools in your VMware Horizon environment
- ❖ Understand what VDI data Turbonomic uses to better understand your environment

Duration: 1 hr