IBM Turbonomic ARM Professional Training Agenda

1. Turbonomic Architecture and Deployment

- Attain a high-level understanding of the microservices based architecture of Turbonomic and its various containerized components
- Learn about various deployment models of Turbonomic and identify which of these is best suited to manage and control your environment
- Understand single-node OVA based deployment of Turbonomic
- Gain hands-on experience of Turbonomic multi-node deployment in OpenShift using Operator Hub

2. Kubernetes Apps Management

- Kubeturbo is Turbonomic's integration with Kubernetes. Understand how kubeturbo works in conjunction with Turbonomic to provide visibility and control across the entire stack
- Learn how to assure the performance of Kubernetes applications by right-sizing the containers based on their historical demand
- Understand how Turbonomic can automatically move container pods across nodes to address the problem of resource fragmentation
- Learn Container planning by running what-if scenarios in Turbonomic to plan for increased workload and to optimize your current deployments

3. Troubleshooting Techniques

- Learn how to enable mediation components for the supported target probes
- Understand how logging is implemented in Turbonomic
- Learn common troubleshooting techniques to inspect pod configuration and ensure the health of various pods in Turbonomic deployment

4. ServiceNow Integration

- Understand how the the integration of Turbonomic with ServiceNow benefits users to record, approve, and track Turbonomic actions in ServiceNow
- Learn how to install the Turbonomic Actions app from ServiceNow App store to enable secure integration and implementation of ServiceNow workflows to control Turbonomic action execution
- Orchestrate Turbonomic action types and modes, to create approval workflows in Service Now
- Incorporate Action Approval states when implementing custom business rules in ServiceNow for execution within Turbonomic

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5. Using the Turbonomic API

- Turbonomic has implemented a REST API that may be exercised through Swagger and using cURL. Both methods are discussed in this course
- Learn about the informational end points used to query the exposed metadata and specifications
- Interacting with Turbonomic API is done using Data Transfer Objects to create groups, placement and automation policies
- Scenarios are the basis for what-if plans. Learn how to run various capacity management scenarios through the API and apply these scenarios to the running Market

6. Orchestration with Action Scripts & Webhooks

- Learn to tailor Turbonomic actions at any phase of execution with external scripting
- Understand the wide array of entity types and the various related actions that may be orchestrated
- Learn how to create automation policies to implement the orchestration workflows through the Turbonomic UI and API

7. Advanced Reporting

- Understand the key benefits and differences between the Embedded Reports and Data Exporter options
- Embedded Reports leverage the Grafana observability platform. Understand the database schema and learn how to create your own custom dashboards using custom SQL queries
- Users can export data from the Turbonomic platform in their own business analytical tools. Understand what data is available and how to build custom dashboards using Data Exporter reporting option

8. Horizon VDI Integration

- Understand how Turbonomic resolves the challenges that VDI administrators have in managing users and resources
- Learn how Turbonomic manages your infrastructure impacted by your Horizon deployment and the Supply Chain mapping with the discovered entities from Horizon VDI environment such as: Business Users Desktop Pools and View Pods