Dynatrace Training Lab Document - Day 2 (Detailed Steps)

Dynatrace Training Lab Document - Day 5 (Detailed Steps)

34. Monitoring Settings

Objective: Configure global monitoring settings in Dynatrace.

Lab Steps:

1. Go to Settings > Preferences > Monitoring.

2. Explore general configurations:

   - Enable/disable monitoring for specific technologies.

   - Adjust sampling rate for trace data.

3. Navigate to Settings > Network Zones:

   - Create a new zone and assign hosts.

   - Validate routing policy.

4. Review data retention settings under Settings > Data Privacy.

5. Document how retention affects log and metrics visibility.

35. Web & Mobile Settings

Objective: Control data privacy and tracking policies.

Lab Steps:

1. Navigate to Web Applications > Edit Settings.

2. Go to Privacy tab:

   - Enable/disable user action masking.

   - Hide or mask personal identifiers.

3. For Mobile: Settings > Mobile Apps > Privacy Settings.

4. Adjust SDK configurations to respect user privacy laws.

5. Validate masking through session replay or RUM.

36. Process Group Settings

Objective: Optimize detection and visibility Lof process groups.

Lab Steps:

1. Navigate to Process Groups > Select a group.

2. Edit detection rules:

   - Add rules based on environment variables or service name.

3. Assign custom metadata to the PG.

4. Rename PGs for clarity (e.g., "OrderService-PG").

5. Verify changes under Smartscape.

37. Server-side Services Settings

Objective: Customize monitoring of backend services.

Lab Steps:

1. Go to Settings > Server-side Services.

2. Enable custom service detection:

   - Based on web request URL patterns.

3. Monitor background tasks or custom threads.

4. Tag services with criticality (e.g., Tier 1, Tier 2).

5. Test additional metrics using OneAgent extensions.

38. DAVIS AI Assistant Deep Dive

Objective: Use the Davis Assistant for automated intelligence.

Lab Steps:

1. Ensure Davis Assistant is enabled.

2. Integrate with Slack or MS Teams via the Hub.

3. Use natural language queries:

   - "Show me problems from the last 24 hours"

   - "Why is service X slow?"

4. Review AI-generated insights and recommendations.

5. Document use cases for AI in incident workflows.

39. AppSec (Application Security Monitoring)

Objective: Detect and investigate application vulnerabilities.

Lab Steps:

1. Go to Application Security > Vulnerabilities.

2. Review list of detected vulnerabilities by severity.

3. Click on a finding to see affected processes/services.

4. Navigate to Security Overview Dashboard.

5. Filter by technology stack or risk level.

6. Document one DevSecOps use case.

40. SLOs & SLIs

Objective: Define, track, and analyze service level objectives.

Lab Steps:

1. Navigate to Settings > Service-level objectives.

2. Create a new SLO:

   - Select service and metric (e.g., request success rate).

   - Define target threshold (e.g., 99.5%).

3. Add filters by management zone or tag.

4. Review compliance trends and burn-down rates.

5. Enable SLO tile in custom dashboard.

41. Best Practices & Wrap-up

Objective: Review monitoring strategy and Dynatrace governance.

Lab Steps:

1. Create a checklist of Dynatrace configuration best practices:

   - Naming conventions

   - Tagging and management zones

   - Access control

2. Review scaling recommendations:

   - ActiveGate sizing

   - High-availability for clusters

3. Compile training and certification resources:

   - Dynatrace University

   - Community forums and learning paths

4. Prepare final lab summary report.

Dynatrace Training Lab Document - Day 2 (Detailed Steps)

End of Day 5 Lab Activities

Ensure all lab configurations and learnings are documented. Conduct a peer review or knowledge-sharing session.

References:

- Monitoring Config: https://docs.dynatrace.com/docs/manage/settings

- AppSec Docs: https://docs.dynatrace.com/docs/security

- Davis Assistant: https://docs.dynatrace.com/docs/shortlink/davis-assistant

- SLOs: https://docs.dynatrace.com/docs/observe-and-explore/service-level-objectives