Dynatrace Training Lab Document - Day 2 (Detailed Steps)

Dynatrace Training Lab Document - Day 3 (Detailed Steps)

17. Database Monitoring

Objective: Monitor database performance and identify slow queries.

Lab Steps:

1. Navigate to Services > Filter by Database Services.

2. Select a database service (e.g., PostgreSQL, Oracle).

3. View Top Database Statements and sort by response time.

4. Drill into a slow query and identify the calling service.

5. Use the Database tab under the OneAgent host to confirm infrastructure health.

6. Capture screenshots of slow queries and DB metrics.

18. Synthetic Monitoring

Objective: Create and configure synthetic monitors.

Lab Steps:

1. Go to Synthetic Monitoring > Create a Monitor.

2. Select monitor type:

- HTTP Monitor for APIs

- Browser Monitor for UI journey

3. Configure URL, frequency, and global/private location.

4. Set alert conditions: response time, HTTP status.

5. Save and validate the monitor by running a test.

6. Review results in the waterfall chart and screenshot tab.

19. URL Monitoring (via Synthetic)

Objective: Use synthetic monitors for specific endpoint checks.

Lab Steps:

1. From Synthetic > Create HTTP Monitor.

2. Input endpoint URL and add validation (e.g., response code = 200).

3. Add step-level validations like keyword checks in response body.

Dynatrace Training Lab Document - Day 2 (Detailed Steps)

4. Schedule monitor every 5 minutes.

5. Review error logs and screenshots on failure.

6. Export performance reports for documentation.

20. DAVIS AI - Foundation

Objective: Leverage Davis AI for automated root cause detection.

Lab Steps:

1. Simulate a performance degradation (e.g., CPU spike).

2. Go to Problems tab to view AI-generated problem cards.

3. Click into the problem and study the root cause and impacted services.

4. Review event timeline and contributing metrics.

5. Document the AI analysis path.

21. DAVIS AI - Advanced Use

Objective: Customize Davis behavior and explore the Davis Assistant.

Lab Steps:

1. Go to Settings > Anomaly Detection.

2. Customize thresholds for response time or failure rate.

3. Enable Davis Assistant from Settings (or use Slack/MS Teams integration).

4. Ask Davis: "What's wrong with service X?"

5. Observe AI response and suggested root causes.

6. Test with simulated failures and measure AI reaction time.

22. Dashboards

Objective: Create dashboards for technical and business users.

Lab Steps:

1. Navigate to Dashboards > Create Dashboard.

2. Add tiles:

- Key metrics (CPU, Memory, Errors)

- Service health and problem count

- Custom chart (DQL/SPL based)

Dynatrace Training Lab Document - Day 2 (Detailed Steps)

3. Apply filters for Management Zones or Tags.

4. Save and share dashboard with team.

5. Create one dashboard for Ops and another for Dev team.

23. Cloud Monitoring

Objective: Integrate cloud platforms and visualize cloud services.

Lab Steps:

1. Open Dynatrace Hub > Azure Integration.

2. Follow steps to authenticate and select subscriptions.

3. Enable monitoring for AKS, App Service, and VM scale sets.

4. Tag cloud services based on team or environment.

5. Validate visibility under Smartscape and Dashboards.

24. Licensing & Consumption

Objective: Understand Dynatrace licensing model and control costs.

Lab Steps:

1. Go to CMC or Settings > Licensing.

2. Review:

- Host Units consumed
- DEM Units (for RUM/Synthetic)
- DPS (Davis data processing)

3. Enable alerts for usage thresholds.

4. Simulate peak load and measure consumption trend.

5. Document licensing metrics.

25. Deployment Status Monitoring

Objective: Track agent and ActiveGate deployment health.

Lab Steps:

1. Go to Deployment Status.

2. Review OneAgent and ActiveGate installation health.

3. Filter by status (Connected, Unavailable).

Dynatrace Training Lab Document - Day 2 (Detailed Steps)

4. Investigate any failures:
   - Check logs
   - Validate communication ports
5. Document the findings and resolution steps.

End of Day 3 Lab Activities

Use demo environments or cloud-integrated instances to complete labs. Take notes and screenshots for peer sharing.

References:

- Synthetic Monitoring: https://docs.dynatrace.com/docs/synthetics
- Davis AI: https://docs.dynatrace.com/docs/shortlink/problem-detection
- Dashboards: https://docs.dynatrace.com/docs/observe-and-explore/dashboards
- Licensing: https://docs.dynatrace.com/docs/manage/account/license