DevOps Incident Cookbook

Generated from historical incident data.

Service memory leak detected

Frequency: 731
Category: Authentication
Severity Observed: warn, error, critical, info

Symptoms

- Mismatch in OAuth redirect URL caused login failures.
- Pod repeatedly crashed due to missing environment variable.
- Service failed to connect to DB due to high latency.
- Service restarted due to excessive memory usage.
- Observed high packet drop between nodes.
- Persistent volume reached 100% capacity.
- Build pipeline failed due to syntax error in config.

Diagnostic Steps

- Check pod/container logs
- Verify environment variables and configs
- Inspect resource usage (CPU, memory, disk)
- Review recent deployments or pipeline changes

Resolution Steps

- Fixed YAML syntax in pipeline config.
- Added missing environment variable in deployment.
- Increased memory limits for container.
- Restarted DB pod and scaled replicas.
- Reconfigured network policy.
- Updated redirect URLs in config file.
- Extended storage volume by 50GB.

Preventive Actions

- Add monitoring and alerts
- Implement config validation
- Capacity planning and autoscaling
- Run pipeline linting and tests

Storage volume out of space

Frequency: 738
Category: Kubernetes
Severity Observed: warn, error, critical, info

Symptoms

- Mismatch in OAuth redirect URL caused login failures.
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Preventive Actions

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Database connection timeout

Frequency: 695
Category: Authentication
Severity Observed: warn, info, critical, error

Symptoms

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- Service failed to connect to DB due to high latency.
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Diagnostic Steps

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Resolution Steps

- Fixed YAML syntax in pipeline config.
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- Reconfigured network policy.
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Preventive Actions

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- Run pipeline linting and tests

Pipeline build failure

Frequency: 755
Category: Monitoring
Severity Observed: warn, info, critical, error

Symptoms

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Diagnostic Steps

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Resolution Steps

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Preventive Actions

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K8s Pod CrashLoopBackOff

Frequency: 672
Category: Database
Severity Observed: warn, info, critical, error

Symptoms

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Preventive Actions

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Network latency spike

Frequency: 719
Category: Database
Severity Observed: warn, error, critical, info

Symptoms

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- Observed high packet drop between nodes.
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Diagnostic Steps

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Resolution Steps

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- Reconfigured network policy.
- Updated redirect URLs in config file.
- Extended storage volume by 50GB.

Preventive Actions

- Add monitoring and alerts
- Implement config validation
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Auth config mismatch

Frequency: 690
Category: Authentication
Severity Observed: warn, info, critical, error

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