Kelly, John

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To:	Kelly, John
Subject:	Host Optimization Report

Infrastructure Report

Overview

This report provides an analysis of CPU, Disk, and Memory utilization for the past 30 days across various hosts. The data highlights potential performance bottlenecks and areas requiring optimization.

Key Observations

- **High CPU Usage**: Several hosts exhibit CPU utilization close to or at 100%, indicating potential overloading.
- **Disk Utilization**: Disk usage is moderate across most hosts, with no critical thresholds observed.
- **Memory Utilization**: Some hosts show high memory usage, which may require attention to avoid performance degradation.

Detailed Metrics

Host Name	CPU Usage	Disk Usage	Memory Usage
cpu3-demo1	99.97%	53.92%	60.85%
frontend	98.74%	35.07%	18.91%
easytravel-demo1	87.57%	28.93%	64.90%
frontend-slow-disk	80.42%	26.36%	63.15%

EC2AMAZ-BFHGR3B	7.07%	75.10%	94.23%
Loadgen	68.41%	21.90%	27.42%
aks-default-24770023-vmss00001X.yimd1l252ulezkqj4anuzeckzb.bx.internal.cloudapp.net	57.57%	37.75%	38.06%
weblauncher-et-demo1.lab.dynatrace.org	57.51%	53.66%	60.67%
ip-10-0-2-150.ec2.internal	53.04%	57.88%	63.84%
i-082b91c7177722fc9	52.69%	33.90%	87.86%
cloud_controller/68ef41bd-c6f5-487a-bb93-d1d2603dc9da	4.68%	39.91%	74.97%
ls-aix-l6dc320.ci.lab.dynatrace.org	4.35%	8.25%	95.26%
ip-10-0-46-107.ec2.internal	38.50%	45.76%	73.12%
ip-10-0-64-43.ec2.internal	35.61%	43.49%	72.93%
cloud_controller_worker/d85b4ae4-1a33-4217-a4ce-260d82f1bde1	3.95%	43.67%	87.38%
lnx0-demo.c.dynatrace-demoability.internal	3.75%	44.76%	97.65%
diego_brain/939ed270-e69b-4e79-bf48-1cb6b7821266	3.47%	45.87%	42.52%
cpu1-demo1	100.00%	46.85%	46.86%
cpu2-demo1	100.00%	47.14%	59.92%
cpu4-demo1	100.00%	47.13%	58.60%
frontend-high-cpu	100.00%	42.89%	64.05%
mysql_monitor/6a8f1e3a-b5d9-48d1-b895-60cef9998c07	1.53%	44.92%	57.33%

Recommendations

1. **CPU Optimization**: Investigate and optimize workloads on hosts with near 100% CPU usage (e.g., `cpu1-demo1`, `cpu2-demo1`, `frontend-high-cpu`).
2. **Memory Management**: Address high memory usage on hosts like `lnx0-demo.c.dynatrace-demoability.internal` (97.65%) and `ls-aix-l6dc320.ci.lab.dynatrace.org` (95.26%).
3. **Disk Utilization**: Monitor disk usage trends, especially for hosts like `EC2AMAZ-BFHGR3B` (75.10%).

This report provides actionable insights to ensure optimal infrastructure performance.

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