The major areas of Redback Operations that need to be monitored are:

1. Cloud Infrastructure: Monitoring the performance, availability, and security of the cloud infrastructure, such as virtual machines, databases, and storage, is crucial to ensure smooth operations and data protection.

2. Application Performance: Monitoring the performance of Redback Operations' applications, including response times, error rates, and resource utilization, helps identify bottlenecks, optimize performance, and maintain a positive user experience.

3. Resource Usage and Cost: Keeping track of resource usage and associated costs is essential for budgeting and cost optimization. Monitoring resource utilization helps identify underused or overprovisioned resources and adjust allocations accordingly.

4. Security and Compliance: Monitoring security events, vulnerabilities, and compliance with industry standards is vital to protect sensitive data and maintain regulatory compliance. This includes monitoring access controls, encryption, and authentication mechanisms.

5. Network Performance: Monitoring network latency, bandwidth, and traffic patterns helps ensure reliable communication between cloud services, applications, and users. Identifying and addressing network issues can prevent delays and improve overall performance.

6. Backup and Disaster Recovery: Monitoring backup processes and disaster recovery plans ensures data protection and business continuity. Regularly testing backups and recovery procedures helps maintain a robust disaster recovery strategy.

7. User Activity and Usage: Monitoring user activity and usage patterns can help identify potential issues, optimize resource allocation, and improve the overall user experience. This includes monitoring user authentication, authorization, and access to resources.

8. System Updates and Patches: Keeping track of system updates and patches is essential to maintain a secure and stable environment. Regularly applying updates and patches helps protect against known vulnerabilities and ensures optimal performance.

Monitoring these major areas will help Redback Operations maintain a secure, efficient, and cost-effective cloud infrastructure, ensuring smooth operations and a positive user experience.

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