Cloud Readiness

How Ready Are You for the Cloud?

Cloud services offer many benefits but open new security challenges. How ready is your enterprise to leverage cloud services and how can you better prepare to ensure security? This quick assessment will help you understand and rate key areas of readiness and offer you additional resources.

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1. Do you have a single management dashboard for all your cloud-based policies?

◯ Yes

◯ No

◯ Unknown

2. Can you effectively manage access controls such as identity, access, management, permissions and security credentials?

◯ Yes

◯ No

◯ Unknown

3. Do you manage access to privileged accounts and related credentials?

☐ Minimize access to credentials in the cloud   ☐ Protect access logs

☐ Implemented strong credential policy, such as MFA, for your cloud-based access   ☐ Review access logs routinely

☐ Limit access to cloud-based management consoles

4. Do you provide data protection?

- ◯ Established policies for data classification, access control, retention and deletion
- ◯ Apply proper data protection (i.e., control the format, structure and security of your data by masking, making it anonymized or encrypted) in accordance with its classification
- ◯ Tag information assets stored in the cloud based on your adopted classification scheme
- ◯ Restrict access to data according to your policies, such as prevent users in specific geographic locations from accessing data stored in another region

5. Do you enforce network and host-level boundary protection?

- ◯ Yes
- ◯ No
- ◯ Unknown

6. Do you have visibility into encrypted traffic both entering and leaving your organization as well as internally?

- ◯ Visibility only into north-south traffic
- ◯ Visibility into only east-west traffic
- ◯ Visibility into both north-south and east-west traffic
- ◯ No
- ◯ Unknown

7. Have you implemented detective controls that allow you to detect and respond to any incidents that may occur in the cloud?

- ☐ Cloud-based intrusion detection and prevention tools
- ☐ Data leakage prevention (DLP)
- ☐ Cloud Access Security Broker (CASB) capabilities that help identify what cloud apps workforce members use
- ☐ User behavior analytics to spot dangerous patterns

8. Are you actively managing against the threat of malware?

- ◯ Yes
- ◯ No
- ◯ Unknown

9. Have you included your use of cloud in your incident response program?

- ☐ Established a joint response plan with your cloud provider with roles and responsibilities clearly defined
- ☐ Evaluated the monitoring and security measures that are in place by the cloud provider and what access you have to those tools
- ☐ Built a recovery plan in event of a provider or network outage
- ☐ Evaluated any forensic tools for cloud infrastructure, especially if you are handling PII