Deprecated Cloud API’s (version 1.0)

**Cloud Service Label: IaaS, PaaS**

Description

Cloud Service Providers (CSPs) are constantly adding services and updating their APIs. This situation creates a fair amount of deprecation within the CSP environment. To maintain backwards capability, many of these deprecated API’s still work even after they are no longer officially documented and maintained. Both Azure and GCP as newer more dynamic clouds are especially prone to this phenomenon. Deprecated APIs are likely not to be well integrated with new security logging mechanisms and controls. This offers an adversary who does some research a potential method of interacting with cloud services in a manner that may not be observed or prevented by otherwise strong controls.

Examples

|  |  |
| --- | --- |
| **Name** | **Description** |
| Azure Classic | Previous Console and API suite for managing Azure resources 2017 and prior. |

Mitigations

|  |  |
| --- | --- |
| **Mitigation** | **Description** |
| Manage log data like other sensitive data | Ensure log data is protected and managed like any other confidential data source with encryption at rest and positive control. |

Detection

Difficult to detect gaps in deprecated API’s.

References

1. https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/deployment-models, - Accessed March 5, 2020