Cyscale

Azure Cloud Security Cheat Sheet

Enhance your cloud security using these essential commands to safeguard your storage accounts, databases, key vaults, and web apps. Using this cheatsheet, you can secure your Azure cloud resources in no time.

Storage

Enable storage logging for Blobs for Read, Write and Delete requests

```
az storage logging update --account-name
<storageAccountName> --account-key <storageAccountKey>
--services b --log rwd --retention 90
```

Set the default network access rule for Storage Accounts to Deny

```
az storage account update --name <storageAccountName>
--resource-group <resourceGroupName> --default-action Deny
```

Enable 'Secure transfer required' to encrypt data in transit to and from Storage Accounts

```
az storage account update --name <storageAccountName>
--resource-group <resourceGroupName> --https-only true
```

Key Vaults

Ensure that Azure Key Vaults are recoverable

```
az resource update --id <resourceID> --set
properties.enablePurgeProtection=true
properties.enableSoftDelete=true
```

Enable logging for Azure Key Vaults

```
az monitor diagnostic-settings create --storage-account
"<storageAccountID>" --resource "<keyVaultResourceID>"
--name "<logName>" --logs '[{"category":
"AuditEvent","enabled": true}]' --metrics '[{"category":
"AllMetrics","enabled": true}]'
```

Set an expiration date for keys in Key Vaults

```
az keyvault key set-attributes --name <keyName> --vault-
name <vaultName> --expires Y-m-d'T'H:M:S'Z'
```

Databases

Enable SSL for database servers connections

- PostGreSQL Single Server

```
az postgres server update --resource-group
<resourceGroupName> --name <serverName> --ssl-
enforcement Enabled
```

- MariaDB

```
az mariadb server update --resource-group
<resourceGroupName> --name <serverName> --ssl-
enforcement Enabled
```

Enable data encryption on an SQL database

```
az sql db tde set --resource-group <resourceGroup>
--server <dbServerName> --database <dbName> --status
Enabled
```

Services

Use the latest version of TLS encryption for web apps

```
az webapp config set --resource-group
<resourceGroupName> --name <applicationName> --min-
tls-version 1.2
```

Redirect all HTTP web app traffic to HTTPS in Azure App Services

```
az webapp update --resource-group <resourceGroupName>
--name <applicationName> --set httpsOnly=true
```

Use the latest HTTP version for web apps

```
az webapp config set --resource-group
<resourceGroupName> --name <applicationName> --http20-
enabled true
```

You can find these commands, and more, in Cyscale. The Cyscale Platform is a powerful cloud security solution that automates cloud misconfiguration checks, strengthens cloud security, and simplifies compliance tasks. By leveraging advanced contextual analysis and providing actionable insights, the platform empowers organizations to confidently embrace the cloud while ensuring a robust security posture. Streamline your cloud security management and gain peace of mind with Cyscale.