

TICKET DESCRIPTION

ENG - 28

Add to Terraform an IAM User with Specific Permissions

DEVELOPMENT TASK SUMMARY

The need to expedite the addition of an IAM user named "Jenkins-auto_srvcac" with specific permissions to the Prod AWS account (783492765142). The user requires access to AWS Code Artifact, which should be the same as the current access granted for GitHub. This request is similar to a previous one and needs to be completed as soon as possible due to time constraints.



Status

PLANNED

Assignee



Task classification

Risk Severity



Confidence



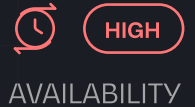
Risk Categories



CONFIDENTIALITY



INTEGRITY



AVAILABILITY

Identified concerns

1. GRANTING AN IAM USER WITH ELEVATED PERMISSIONS TO THE PROD ACCOUNT ENVIRONMENT WITHOUT A COMPREHENSIVE REVIEW OF THE USER'S ACCESS REQUIREMENTS

Sample recommended security requirements

IMPLEMENT THE PRINCIPLE OF LEAST PRIVILEGE

Ensure that the IAM user is granted only the minimum set of permissions required to perform its intended tasks. This will help reduce the risk of unauthorized access or misuse of the user's credentials.

Implementation Guidance

1. Review the IAM user's required permissions and grant only the minimum set of permissions needed to perform its intended tasks.

Code example generated by AI



```
public IAMUser
createIAMUserWithMinimalPermissions
(String userName, String accountId) {
// Create the IAM user

IAMUser user = new IAMUser(userName);

user.attachPolicy(new PolicyStatement
()
.addActions("codeartifact:*")
```

ENABLE MULTIFACTOR AUTHENTICATION (MFA)

Require the IAM user to use MFA to access the AWS resources. This additional layer of security will help protect against unauthorized access, even if the user's credentials are compromised.

Implementation Guidance



IMPLEMENT SECURE CREDENTIAL MANAGEMENT

Ensure that the IAM user's credentials (access keys, secret keys, etc.) are securely managed and rotated regularly. This will help mitigate the risk of credential exposure and reduce the potential impact of a security breach.

Implementation Guidance



Want to learn more?

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