

# INC0010003 — [TITAN] High — security on iam-user-titan-svc-backup

Severity	High	Priority	3 - Moderate
Cloud	AWS	State	New
Resource	iam-user-titan-svc-backup	Group	identity_and_access
Resource type	AWS::IAM::User	Change type	Incident
Opened	2026-04-21 14:36:44	Closed	2026-04-21 14:36:44
CAB required	Yes	Close code	—

## Security Finding

IAM user 'iam-user-titan-svc-backup' has no MFA enabled and 180-day-old access keys – credential compromise likelihood elevated.

## Justification

High: IAM user 'iam-user-titan-svc-backup' has no MFA enabled and 180-day-old access keys – credential compromise likelihood elevated.

## Implementation Plan

1. Pre-change snapshot captured by TITAN (auto-rollback available).
2. Execute fix command:  

```
aws iam update-access-key --user-name iam-user-titan-svc-backup --access-key-id AKIA... --status Inactive && aws iam create-access-key --user-name iam-user-titan-svc-backup
```
3. TITAN FORGE verifies the fix was applied.
4. Post-change rescan by TITAN SCOUT – finding must no longer appear.
5. Close ticket with Successful close\_code.

## Risk & Impact Analysis

Risk level: MEDIUM-HIGH risk – misconfiguration with realistic exploit path.  
 Business impact if unremediated: Increases attack surface; auditor finding likely.  
 Scope: single resource (iam-user-titan-svc-backup).  
 Blast radius: change is idempotent; pre-change snapshot captured by TITAN; auto-rollback available if rescan fails.  
 Finding detail: IAM user 'iam-user-titan-svc-backup' has no MFA enabled and 180-day-old access keys – credential compromise likelihood elevated.

## Backout / Rollback Plan

1. TITAN auto-captured snapshot of iam-user-titan-svc-backup before change (baseline: titan-live-demo-20260421T213642Z).
2. If post-change rescan still shows the finding OR a new issue appears within 15 min:
  - a. TITAN FORGE fires rollback automatically using stored snapshot.
  - b. Incident reopens and escalates to on-call.
3. Manual rollback command path (human override) is documented in close notes.

## Test Plan

1. TITAN SCOUT rescans iam-user-titan-svc-backup immediately after FORGE applies the change.
2. PASS criteria: the specific finding no longer appears in SCOUT results.
3. PASS criteria: no new CRITICAL or HIGH findings introduced by the change.

4. Automated compliance check: HIPAA/PCI/SOC2 controls re-evaluated.
5. If any check fails, backout plan fires automatically.

### Recommended Fix Command

```
aws iam update-access-key --user-name iam-user-titan-svc-backup --access-key-id AKIA... --status Inactive && aws iam create-access-key --user-name iam-user-titan-svc-backup
```

### Compliance Mapping

CIS 1.x IAM, NIST AC-2, SOC 2 CC6.1, PCI DSS 3.5

### AI Close Notes

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