

AZURE PIM IMPLEMENTATION

Microsoft Entra Privileged Identity Management



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WHY PIM?



Enforce least privilege by default



Just-in-time (JIT) access when needed



Reduce standing admin rights



Require MFA and approvals



Full audit trail and visibility

BEFORE: ALWAYS-ON ACCESS



Standing access always available

✗ Higher risk of misuse



AFTER: TIME-BOUND ACCESS



Activate just-in-time for limited duration

✓ Least privilege enforced
✓ Risk reduced & accountable access

IMPLEMENTATION ROADMAP

1



ASSESS

Evaluate current privileged access, roles, and risks

2



PLAN

Define scope, policies, approvals, and role strategy

3



ONBOARD

Enable PIM, connect Microsoft Entra ID

4



ASSIGN

Assign eligible roles to users or groups

5



ACTIVATE

Request, approve & activate access just in time

6



REVIEW

Monitor usage, review access & refine policies

WHAT PIM COVERS



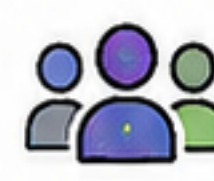
MICROSOFT ENTRA ROLES

- Global Administrator
- Privileged Role Administrator
- User Administrator
- And other Entra roles



AZURE RESOURCE ROLES

- Subscription Owner
- Contributor
- Resource-specific roles
- Custom roles



PIM FOR GROUPS

- Make groups eligible for roles
- Activate groups when needed
- Centralize access management



SUCCESS OUTCOME

Secure, governed, and time-bound privileged access that reduces risk and improves security posture.



TIP

Start small, automate approvals, and review access regularly!



Keep It Simple. Design for Scale. Secure by Design. Cost Optimized.



1. PLAN YOUR PIM FOUNDATION

Licensing, onboarding, prerequisites & scope



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PREREQUISITES



Microsoft Entra ID P2 or
Microsoft Entra ID
Governance licensing



Privileged Role Administrator /
Global Administrator
permissions



Azure subscription Owner
or User Access Administrator
for resource roles



MFA enabled &
security baseline in place



WHAT TO DECIDE



Pilot scope (subscriptions, resources,
environments)



In-scope roles to protect



Approval model & approver groups



Activation duration & maximum settings



Emergency access (break-glass) accounts



Communication plan & change awareness

ONBOARDING FLOW

1



ASSESS TENANT

Evaluate current
state, roles, and
existing access

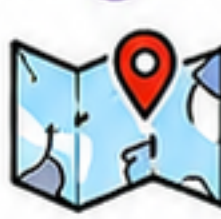
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ENABLE PIM

Enable PIM for
Microsoft Entra ID
& resources

3



SELECT ROLE SCOPES

Choose roles,
resource scopes,
and exclusions

4



CONFIGURE SETTINGS

Set approvals,
duration, MFA,
and notifications

5



PILOT WITH A FEW ROLES

Test with a small
set of roles, learn
& refine

6



EXPAND ROLLOUT

Scale to more
roles & resources
in phases

FOUNDATION CHECKLIST



BREAK-GLASS ACCOUNTS

- ✓ Dedicated accounts
- ✓ Excluded from PIM
- ✓ Stored securely
- ✓ Access tested



ROLE INVENTORY

- ✓ List all privileged
roles
- ✓ Map to resources
- ✓ Identify owners



NAMED APPROVERS

- ✓ Define approver
groups
- ✓ Ensure coverage
- ✓ Review regularly



NOTIFICATIONS & ALERTS

- ✓ Enable role
activation alerts
- ✓ Review access
reports



DOCUMENTATION

- ✓ Settings & decisions
- ✓ Runbooks & SOPs
- ✓ Change log
- ✓ Review cadence



SUCCESS OUTCOME

A well-planned PIM foundation that
ensures least privilege, secure access,
and audit readiness.



TIP

Start with high-impact
roles first.



Keep It Simple. Design for Scale. Secure by Design. Cost Optimized.



2. DISCOVER & CLASSIFY PRIVILEGED ACCESS

Inventory admins, roles, groups & risks



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WHAT TO INVENTORY



Users with permanent admin access



Microsoft Entra roles



Azure resource roles



Privileged groups



Service principals



Critical subscriptions / management groups



RISK SIGNALS



Too many permanent admins



No MFA



Unused privileged assignments



Orphaned accounts



Excessive subscription owners



Undocumented exceptions

CLASSIFICATION MODEL

PERMANENT ACTIVE ROLES



Always-on privileged access required for core operations. Minimize and tightly control.

ELIGIBLE JUST-IN-TIME ROLES



Activated only when needed via PIM for a limited duration. Preferred state.

TEMPORARY EXCEPTION ACCESS



Short-term, approved access for break-glass or special cases. Time-bound & tracked.

ROLE PRIORITIZATION

Focus on high-impact roles that can control your environment.



GLOBAL ADMINISTRATOR



PRIVILEGED ROLE ADMINISTRATOR



USER ADMINISTRATOR



SECURITY ADMINISTRATOR



SUBSCRIPTION OWNER



CONTRIBUTOR

HIGHEST IMPACT



LOWER IMPACT



TIP

Prioritize crown-jewel roles and shared admin paths. Reduce blast radius first.



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3. CONFIGURE ROLE SETTINGS & ASSIGNMENTS



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Eligible vs active, activation rules & governance settings

ASSIGNMENT TYPES

ELIGIBLE ASSIGNMENT



- User can activate the role when needed
- No immediate access
- Requires activation (just-in-time)
- Example: Global Administrator (Eligible)

ACTIVE ASSIGNMENT



- User has immediate access to the role
- Standing access granted
- Higher risk if overused
- Example: Break-glass account (Active)

ROLE SETTINGS



MFA on activation —
Require MFA when activating the role



Approval required —
Require approval before activation



Justification required —
Require reason for activation



Ticket / Ticket system —
Link activation to ticket or change record

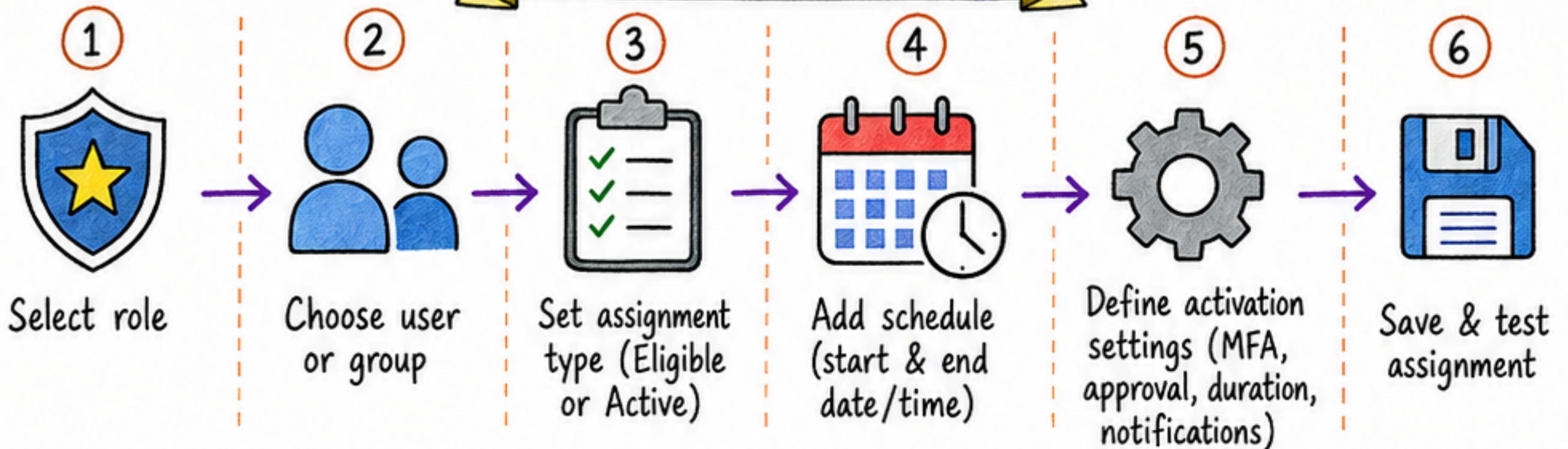


Maximum activation duration —
Set time-bound activation limits



Notifications —
Notify on activation, approval, & expiration

CONFIGURATION FLOW



BEST-FIT EXAMPLES



GLOBAL ADMINISTRATOR

Eligible assignment
+ approval + MFA
for high security



SUBSCRIPTION OWNER

Eligible assignment
+ time-bound
activation



BREAK-GLASS ACCOUNT

Active assignment
but tightly
controlled &
monitored



PIM FOR GROUPS

Centralized access
for teams with
least privilege

TIP



Keep standing access minimal. Use eligible + time-bound access with approval & MFA for maximum security.

4. ACTIVATION, APPROVALS & ACCESS REVIEWS

How just-in-time access works in practice



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1. USER ACTIVATION FLOW

- 1 Request role
- 2 Complete MFA
- 3 Add justification / ticket
- 4 Wait for approval if required
- 5 Activate
- 6 Use time-bound access

2. APPROVAL & NOTIFICATION MODEL



Approvers

Role-based approvers review and approve requests.



Requestor notifications

Stay informed at each stage of the request.



Activation alerts

Get notified when access is activated.



Activation duration

Access is granted for a defined, limited period.



Escalation path

Requests escalate if not acted on within SLA.

3. ACCESS REVIEWS



Review cadence

Define and follow a regular review schedule.



Reviewers

Business & IT owners review access assignments.



Remove stale access

Revoke access that is no longer needed or justified.



Review role-eligible users

Validate who is eligible for privileged roles.



Document exceptions

Capture justified exceptions with approvals.

4. PIM FOR GROUPS



- Enable eligible group membership
- Activate group-based privileged access
- Easier scaling for teams & projects
- Simplified governance & reviews



TIP

Review access regularly and remove stale privileges to reduce risk and improve security posture.



Keep It Simple. Design for Scale. Secure by Design. Cost Optimized.



5. AUDIT, ALERTS & GOVERNANCE

Monitor privileged access and enforce continuous control



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AUDIT & HISTORY



Activation records
(who, what, when, why)



Assignment history
(eligible & active roles)



Approvals & approver
decisions



Role changes &
policy updates



Who accessed what
and when



IMPORTANT ALERTS



Too many permanent
admins



Roles without MFA
enforced



No approvers
configured



Suspicious or unusual
activations



High-risk accounts
active

OPERATING MODEL

1



MONITOR

Continuously monitor
PIM activity, logs,
and alerts

2



INVESTIGATE

Analyze alerts
and investigate
anomalies

3



REVIEW

Review access,
decisions, and
risk impact

4



REMEDiate

Take corrective
actions & enforce
controls

5



DOCUMENT

Document findings,
actions, and
decisions

6



IMPROVE

Improve policies,
automations,
and controls

GOVERNANCE PRACTICES



- ✓ Quarterly access reviews
- ✓ Least privilege by design
- ✓ Separation of duties

- ✓ Emergency access governance
- ✓ Notification tuning
- ✓ Audit evidence retention



TIP

Tie PIM insights into your security operations and compliance reviews for continuous assurance.



Keep It Simple. Design for Scale. Secure by Design. Cost Optimized.



PIM IMPLEMENTATION SUCCESS CHECKLIST

Best practices, rollout milestones & final review



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ROLLOUT CHECKLIST

- ☒ Licensing validated & assigned
- ☒ User onboarding completed
- ☒ Critical roles inventoried
- ☒ PIM settings configured
- ☒ Approvers assigned
- ☒ Notifications & alerts enabled
- ☒ Emergency accounts documented



KEY PRINCIPLES

- Enforce least privilege
- Activate just-in-time access
- Maintain a strong approval path
- Require MFA for all activations
- Review access regularly
- Document & monitor exceptions

COMMON USE CASES



MICROSOFT ENTRA ROLES

- Global Administrator
- Privileged Role Administrator
- User Administrator
- Application Administrator
- Security Administrator



AZURE SUBSCRIPTION / RESOURCE ROLES

- Owner
- Contributor
- Reader
- Resource-specific roles
- Custom roles



PRIVILEGED GROUPS

- IT Admins
- Security Operators
- DevOps Engineers
- Break-glass Operators
- Application Support



SUCCESS OUTCOME

Reduced standing access, higher security posture, auditable privileged access, and scalable governance that grows with your organization.



GOVERN. ACTIVATE. REVIEW. IMPROVE.

Keep improving. Keep securing. Keep leading!



TIP

Iterate after the pilot. Refine policies, roles, and approvers!



Keep It Simple. Design for Scale. Secure by Design. Cost Optimized.

