Teleport

Replacing Privileged Users With Automated Just-in-Time Access Requests

Travis Rodgers

Developer Relations Engineer @ Teleport
travis.rodgers@goteleport.com

GitHub @ github.com/gravitational

Slack @ goteleport.com/slack

Labs @ goteleport.com/labs

YouTube @ youtube.com/c/Gravitational

Ideal Scenario

Ideal Scenario

1. Everyone with a least-privilege policy

Ideal Scenario

1. Everyone with a least-privilege policy

2. The ability to elevate privilege upon request and approval.

Ideal Scenario

1. Everyone with a least-privilege policy

2. The ability to elevate privilege upon request and approval.

3. This elevated privilege needs to be just-in-time, or temporary, and not perpetual

Ideal Scenario

1. Everyone with a least-privilege policy

2. The ability to elevate privilege upon request and approval.

3. This elevated privilege needs to be just-in-time, or temporary, and not perpetual

4. To have automation in place to ease this workflow.

Teleport

Everyone with a least-privilege policy

Teleport

Everyone with a least-privilege policy

Principle of Least Privilege: Giving a user account or process only the privileges which are essential to perform it's intended function.

Teleport

Everyone with a least-privilege policy

Principle of Least Privilege: Giving a user account or process only the privileges which are essential to perform it's intended function.

- Privileged Users

- Non-Privileged Users

Privileged Users

Privileged Users

- IT managers

Privileged Users

- IT managers
- System admins

Teleport

Privileged Users

- IT managers

- System admins

- Database admins

Teleport

Privileged Users

- IT managers

- System admins

- Database admins

- Security team

- etc.

Blanket Access

Eliminate Blanket Superusers

Non-Privileged Users

Teleport

The ability to elevate privilege upon request and approval

The ability to elevate privilege upon request and approval

- Superuser role

- Production clusters role

The ability to elevate privilege upon request and approval

- Superuser role

- Production clusters role

1. A role or resource is **requested**

The ability to elevate privilege upon request and approval

- Superuser role

- Production clusters role

1. A role or resource is **requested**

2. This request is **approved**

Teleport

This elevated privilege needs to be just-in-time, or temporary, and not perpetual

Teleport

This elevated privilege needs to be just-in-time, or temporary, and not perpetual

~~Standing Privilege~~

Teleport

This elevated privilege needs to be just-in-time, or temporary, and not perpetual

~~Standing Privilege~~

- Elevated access should be a **just-in-time-access**

This elevated privilege needs to be just-in-time, or temporary, and not perpetual

~~Standing Privilege~~

- Elevated access should be a **just-in-time-access**

- Just-in-time access is a way to enforce the Principle of Least Privilege ensuring that users and service-accounts are:

Teleport

This elevated privilege needs to be just-in-time, or temporary, and not perpetual

~~Standing Privilege~~

- Elevated access should be a **just-in-time-access**

- Just-in-time access is a way to enforce the Principle of Least Privilege ensuring that users and service-accounts are:

1. Given the minimum amount of access required.

Teleport

This elevated privilege needs to be just-in-time, or temporary, and not perpetual

Standing Privilege

- Elevated access should be a **just-in-time-access**

- Just-in-time access is a way to enforce the Principle of Least Privilege ensuring that users and service-accounts are:

1. Given the minimum amount of access required.

2. Only given that access **temporarily**.

Teleport

To have automation in place to ease this workflow

Teleport

Ideal Scenario

1. Everyone with a least-privilege policy

2. The ability to elevate privilege upon request and approval.

3. This elevated privilege needs to be just-in-time, or temporary, and not perpetual

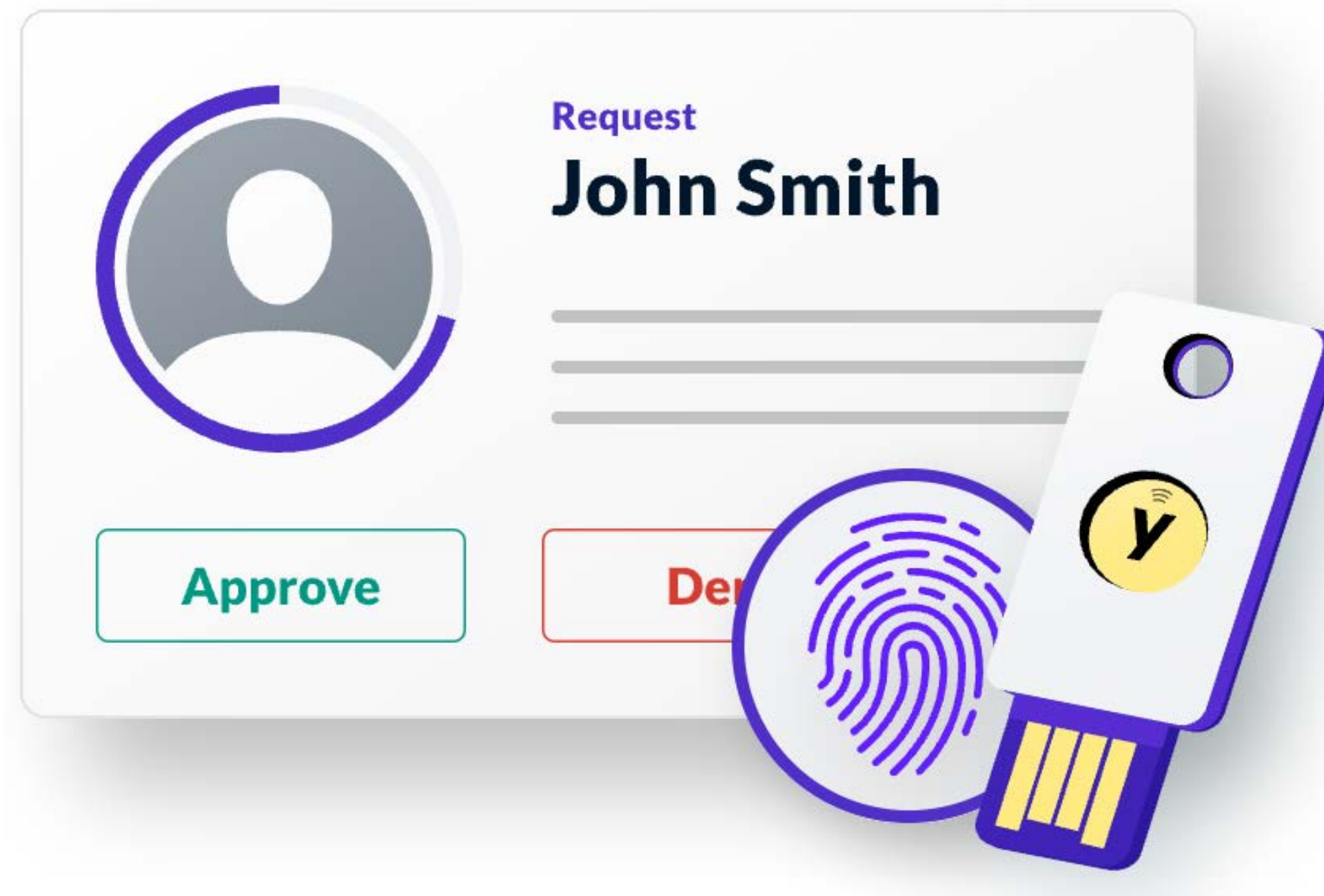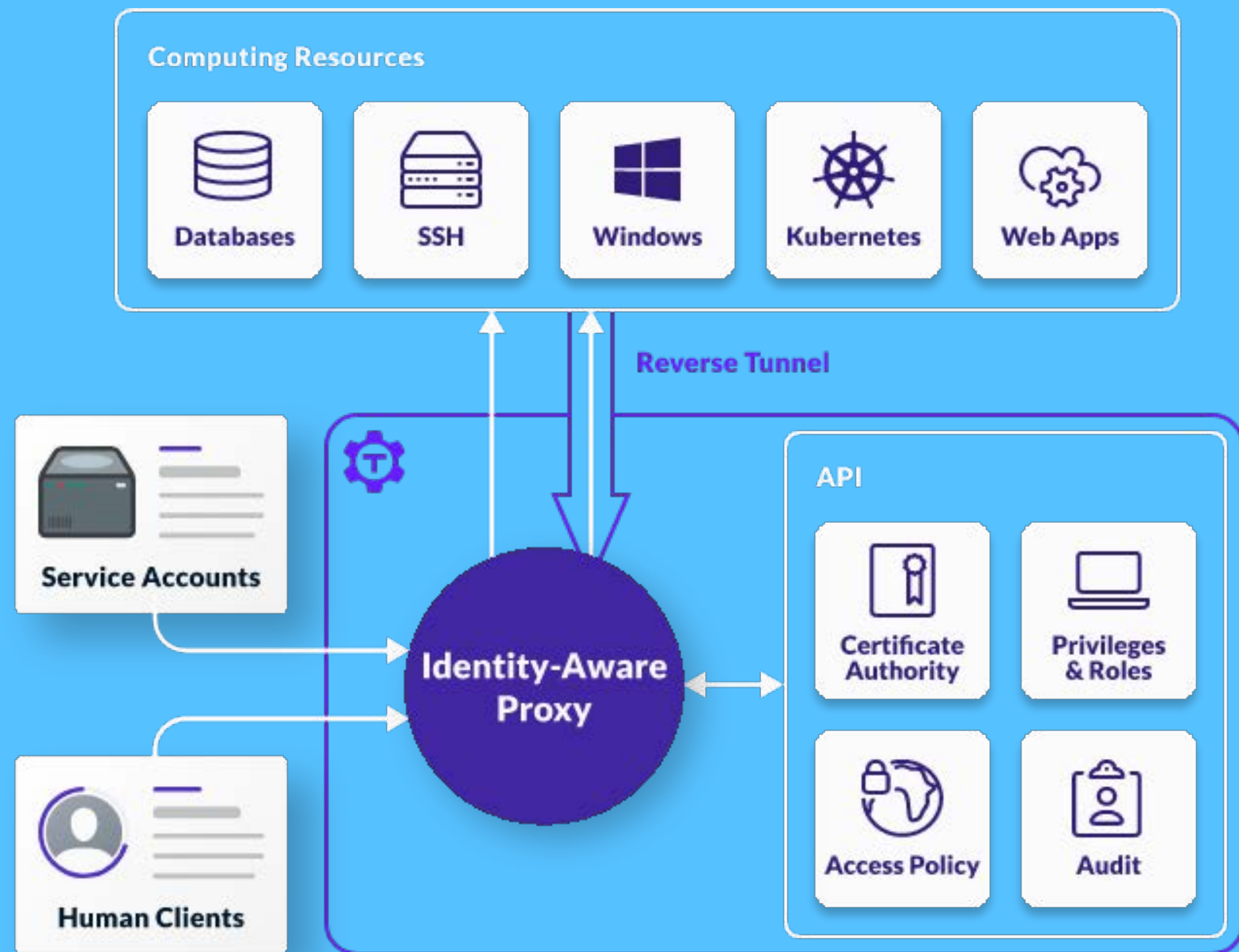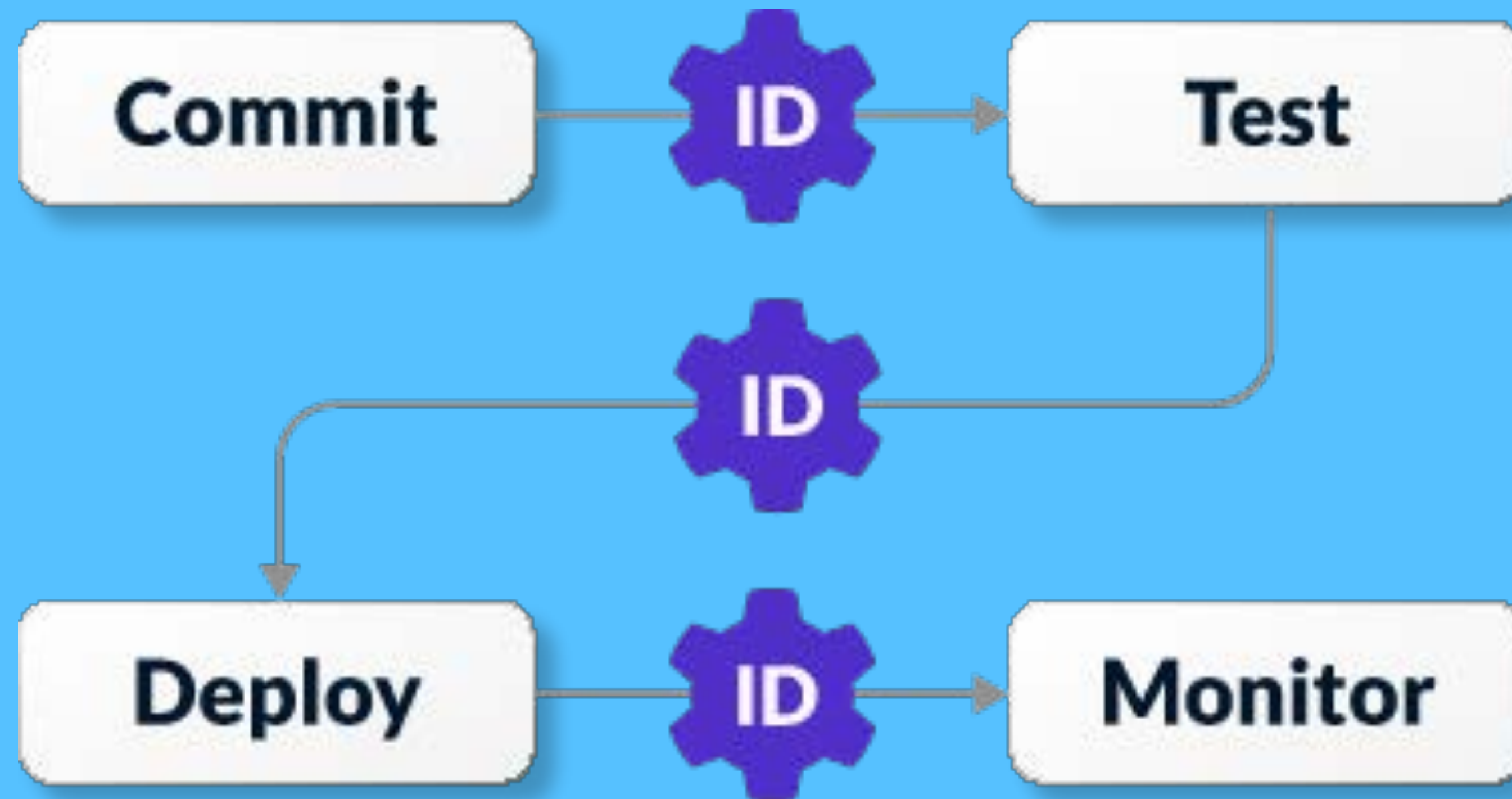4. To have automation in place to ease this workflow.

Objection!

Identity

Thanks!

travis.rodgers@goteleport.com

Teleport Community Slack - goteleport.com/slack

Interactive Labs - goteleport.com/labs