Introduction to Resource providers and locks
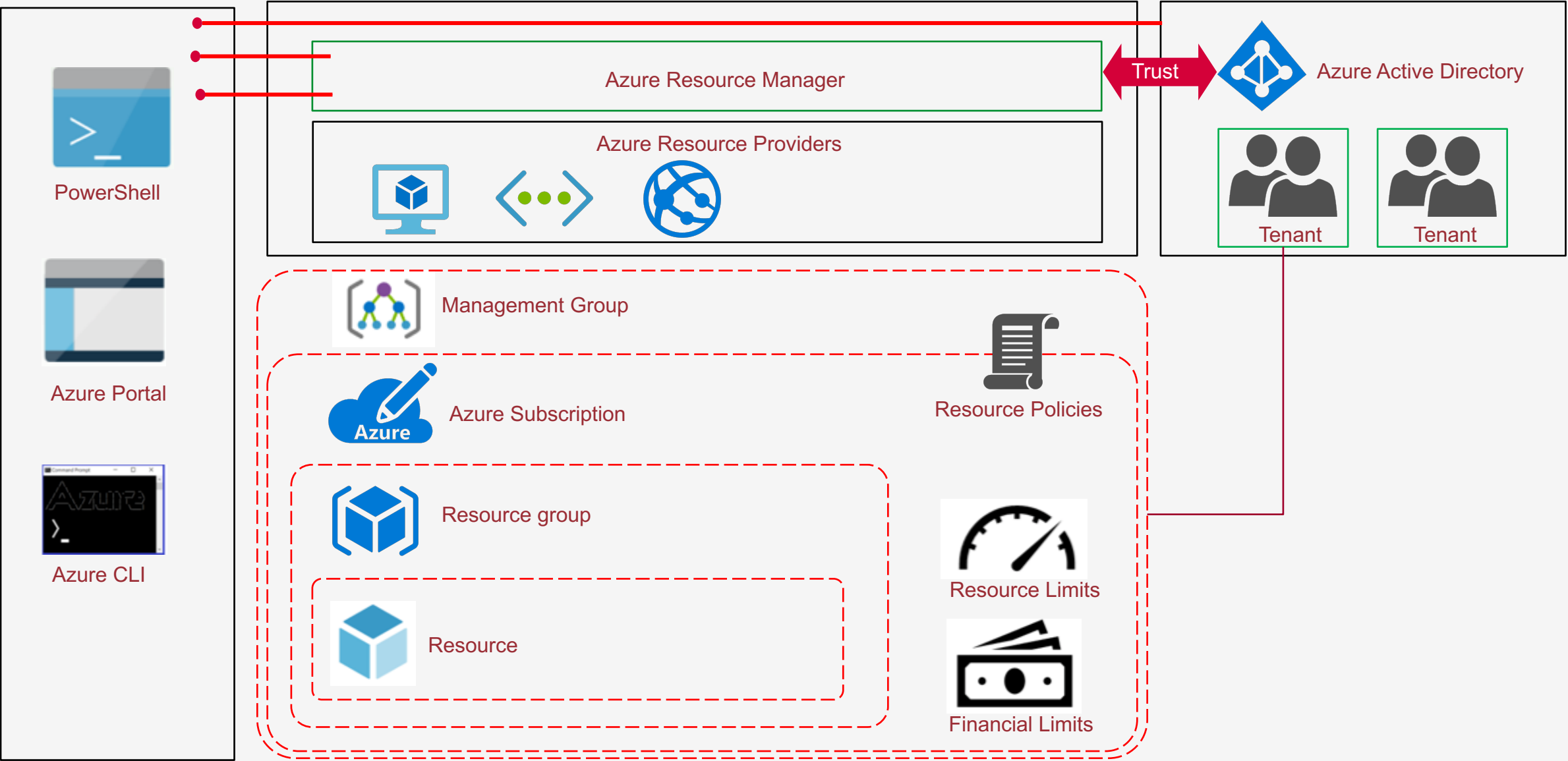
Overview of Azure resources management (ARM)

Azure Resource Providers

- Each resource provider offers a set of resources and operations for working with those resources.

- Before getting started with deploying your resources, you should gain an understanding of the available resource providers. Knowing the names of resource providers and resources helps you define resources you want to deploy to Azure.

- You need to know the valid locations and API versions for each resource type.

- Registering a resource provider configures your subscription to work with the resource provider. The scope for registration is always the subscription. By default, many resource providers are automatically registered.

Azure locks

- Locks enables you to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources.

- You can set the lock level to CanNotDelete or ReadOnly.

  - **CanNotDelete** means authorized users can still read and modify a resource, but they can't delete the resource.

  - **ReadOnly** means authorized users can read a resource, but they can't delete or update the resource.

- **RBAC vs Locks**

  - Unlike role-based access control, you use management locks to apply a restriction across all users and roles.