# RBAC in Azure AKS

Emad Alashi
Lead Consultant
Readify

# Thank You Our Sponsors
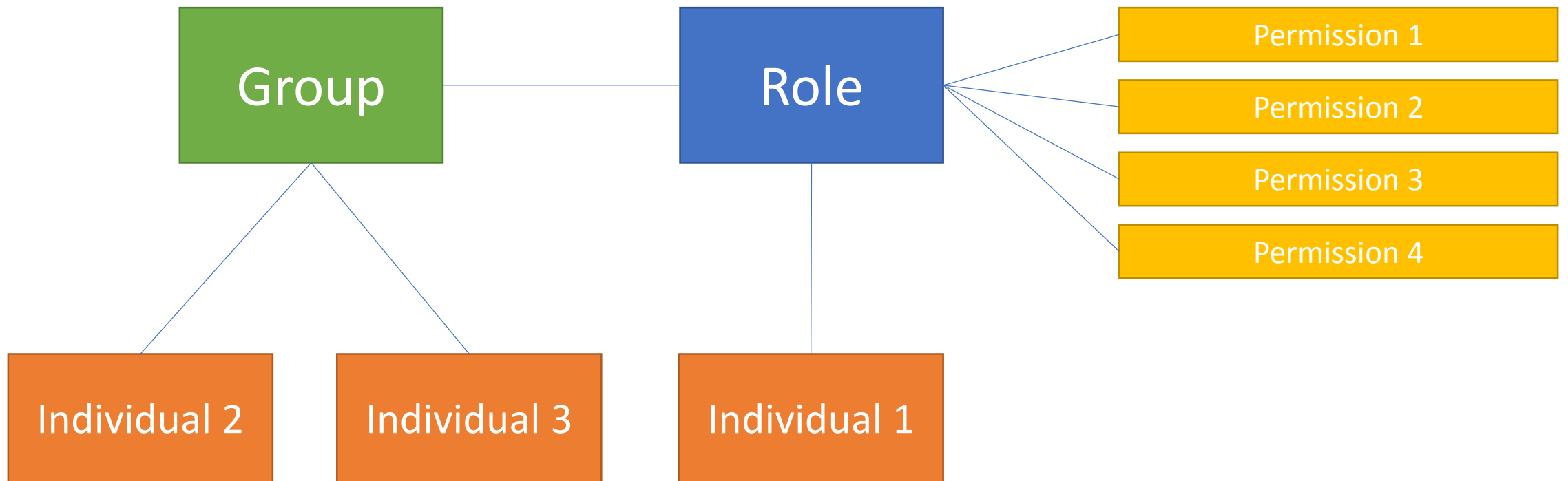
# Emad Alashi

@EmadAshi
http://emadashi.com

# RBAC in Azure AKS

@emadashi

# What is RBAC again?

# Azure AD

- Role
- Permission
- RoleAssignment
- User
- Group

# Kubernetes

- Role/ClusterRole
- Rule
- RoleBinding
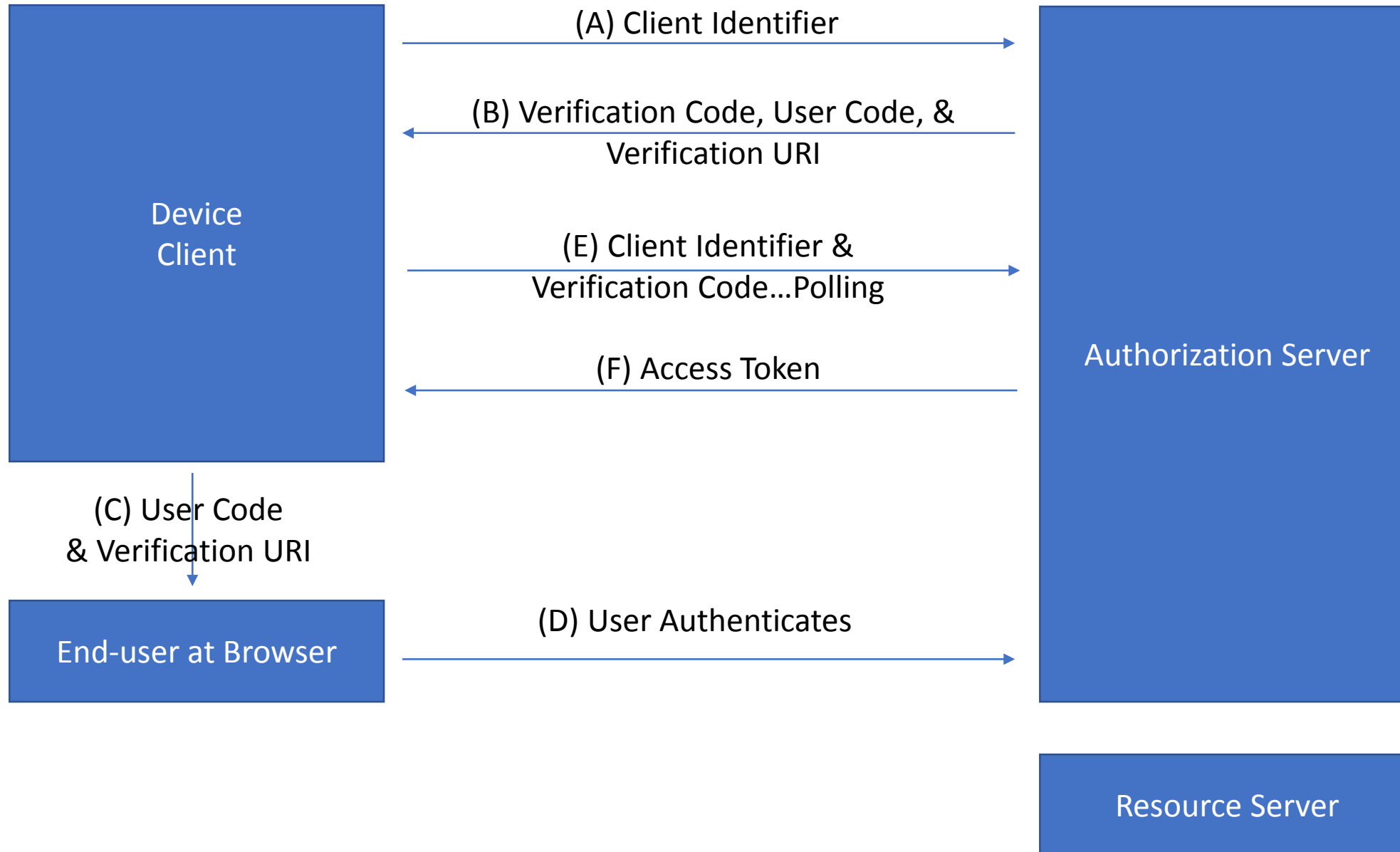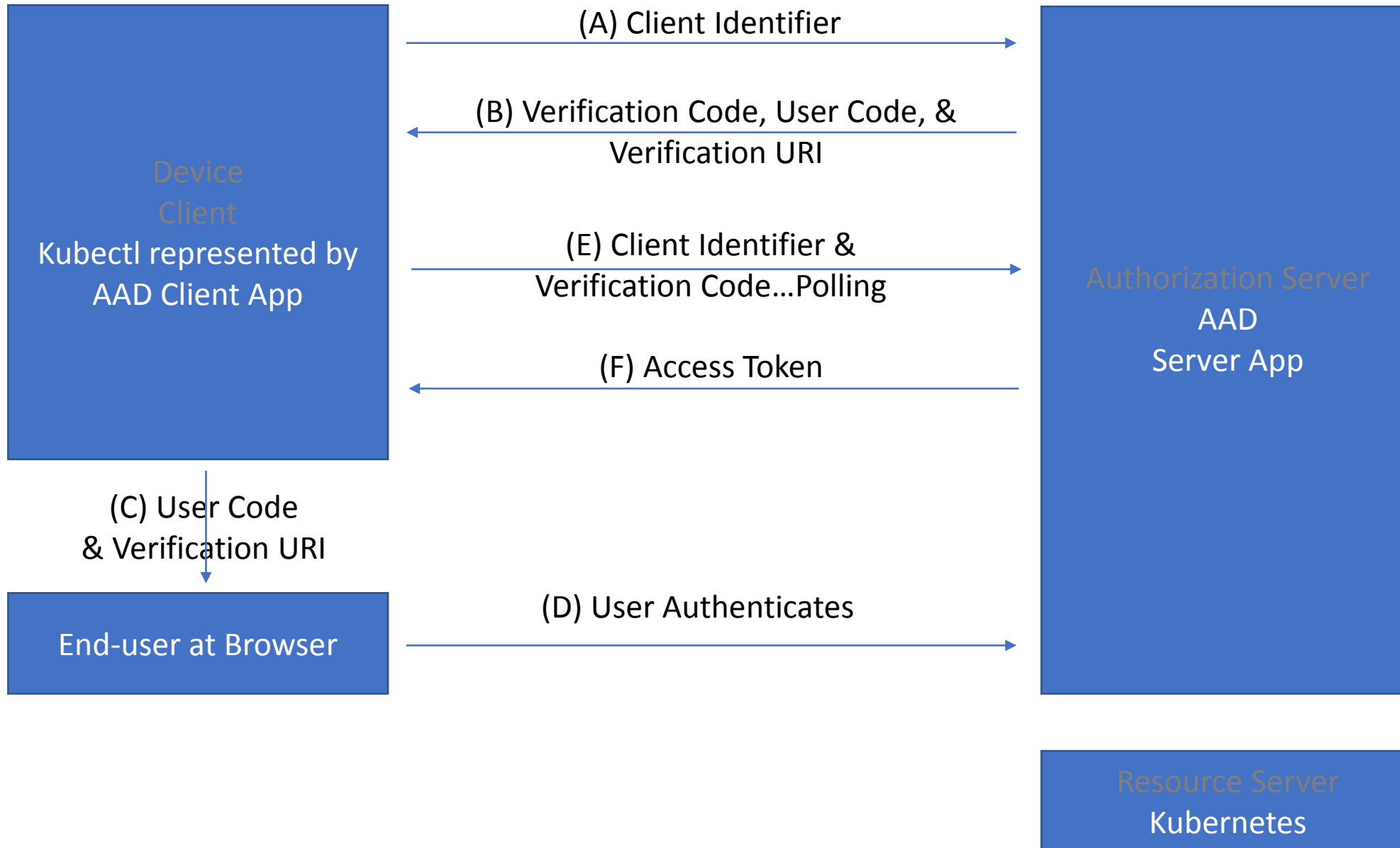- User
- Group

# Oauth2 Parties

Client

Auth Server

You

Resources

# What is OAuth2 Device Flow?

# Default Directory - App registrations
Azure Active Directory

**+** New application registration    **≡** Endpoints    **✕** Troubleshoot

🚀 The preview experience for App registrations is available. Click this banner to launch the prev

| | |
|---|---|
| aks | All apps ∨ |

| DISPLAY NAME | APPLICATION TYPE |
|---|---|
| **AK** **AKSAADServer** | Web app / API |
| **AK** **AKSAADClient** | Native |

**Manage**

- 👤 Overview
- 🚀 Getting started

**Manage**

- 👤 Users
- 👥 Groups
- 📇 Organizational relationships
- 👤 Roles and administrators
- 🔲 Enterprise applications
- 📱 Devices
- 🔲 App registrations
- 🔲 App registrations (Preview)
- 🔲 Application proxy

```
az aks create \
  --resource-group myResourceGroup \
  --name myAKSCluster \
  --generate-ssh-keys \
  --aad-server-app-id b1536b67-29ab-4b63-b60f-9444d0c15df1 \
  --aad-server-app-secret wHYomLe2i1mHR2B3/d4sFrooHwADZccKwfoQwK2QHg= \
  --aad-client-app-id 8aaf8bd5-1bdd-4822-99ad-02bfaa63eea7 \
  --aad-tenant-id 72f988bf-0000-0000-0000-2d7cd011db47
```

# Show me the console!

# Things to watch out for!

# Ability to change AAD related parameters on a running cluster #480

🕐 **Closed**   **bergerx** opened this issue on Jun 26, 2018 · 3 comments

---

**bergerx** commented on Jun 26, 2018                                    ···

For AAD enabled AKS clusters created followed by https://docs.microsoft.com/en-us/azure/aks/aad-integration, is it possible to change below parameters after the cluster is created:

```
--aad-server-app-id 7ee598bb-0000-0000-0000-83692e2d717e \
--aad-server-app-secret wHYomLe2i1mHR2B3/d4sFrooHwADZccKwfoQwK2QHg= \
--aad-client-app-id 7ee598bb-0000-0000-0000-83692e2d717e \
--aad-tenant-id 72f988bf-0000-0000-0000-2d7cd011db47
```

We want to move the cluster login to a different AAD under another Azure subscription in a few weeks without losing the cluster state and the data kept within.

Is it possible to change the aad related parameters on a running cluster?

---

✏️  **bergerx** changed the title ~~Ability to change AAD parameter on a running cluster~~ Ability to change AAD related parameters on a running cluster on Jun 26, 2018

---

🔖  **bergerx** referenced this issue on Jun 26, 2018

**AAD enabled cluster setup issue** #479                          🕐 **Closed**

---

**sauryadas** commented on Jul 4, 2018                    Member   ···

==Changing AAD credentials for an existing cluster is not supported at this time.==

# Server App

"groupMembershipClaims": "All"

"ExposeAPI"

# Client App
## "AllowPublicClient"

# Questions?

@emadashi