

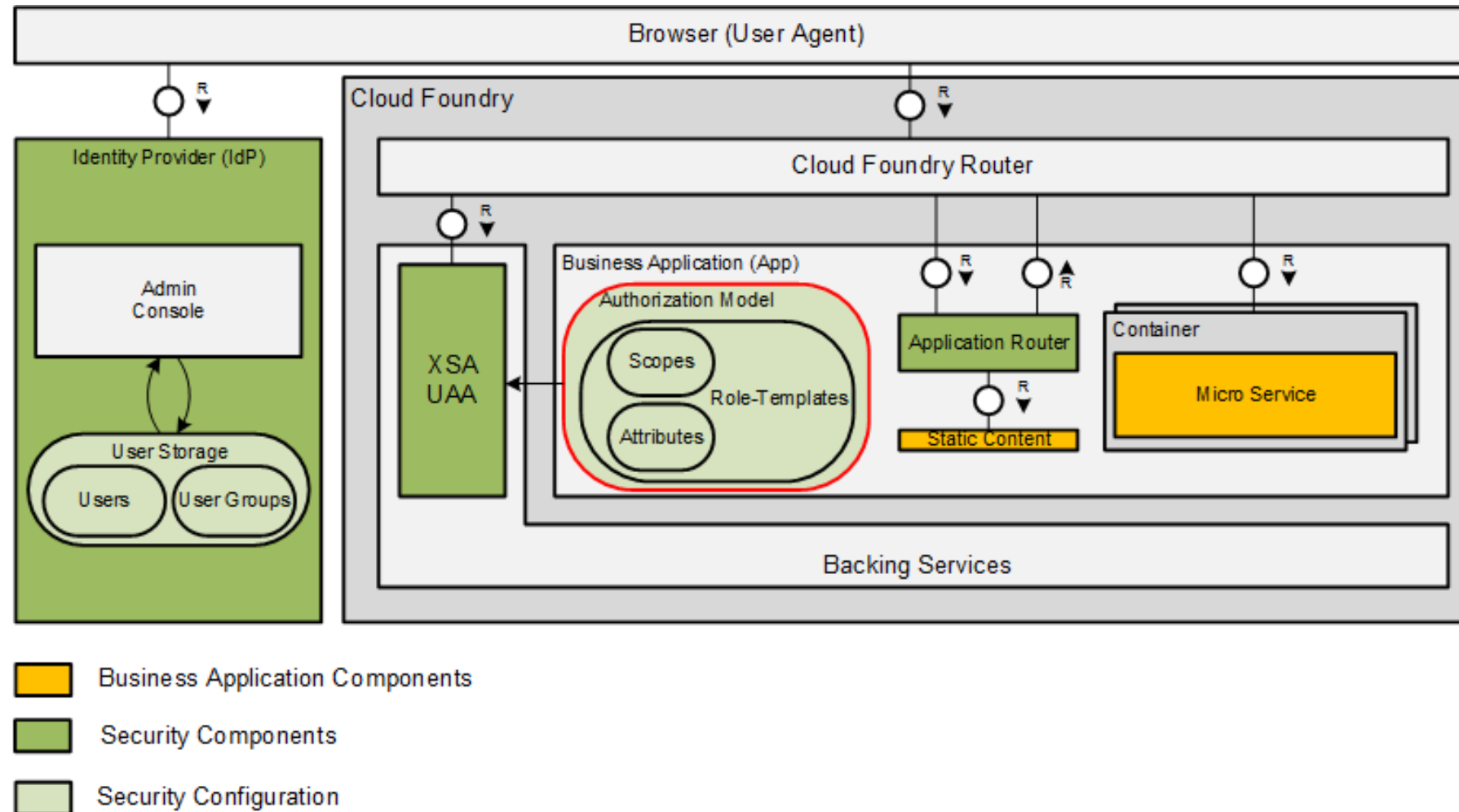


Week 5: Security

Unit 3: Setting Up Generic Authorization

Setting Up Generic Authorization

Generic authorizations – Defining authorizations for endpoint access



Setting Up Generic Authorization

Define application authorization model

Create security descriptor for your application:

Content of ./security/xs-security.json

```
{ "xsappname" : "bulletinboard-d012345",
  "tenant-mode" : "shared"
  "scopes" : [
    { "name" : "$XSAPPNAME.Display", "description" : "..." },
    { "name" : "$XSAPPNAME.Update", "description" : "..." }],
  "attributes" : [
    { "name" : "costcenter", "description" : "...", "valueType" : "string" }],
  "role-templates" : [
    { "name" : "Advertiser", "description" : "crud",
      "scope-references" : [ "$XSAPPNAME.Display", "$XSAPPNAME.Update" ],
      "attribute-references": [ "costcenter" ]}
    ]}
}
```

Update / configure XS-UAA service instance with security descriptor

```
$ cf update-service uaa-bulletinboard -c security/xs-security.json
```

Setting Up Generic Authorization

Define generic authorization checks

Enhance the application router to restrict access based on scopes (start condition):

Additional content in ./approuter/xs-app.json

```
{ "routes": [{  
  "source": "^/ads",  
  "target": "/",  
  "destination": "ads-destination",  
  "scope": "$XSAPPNAME.Display" # <-- new  
}]  
}
```


Setting Up Generic Authorization

Exercise 23

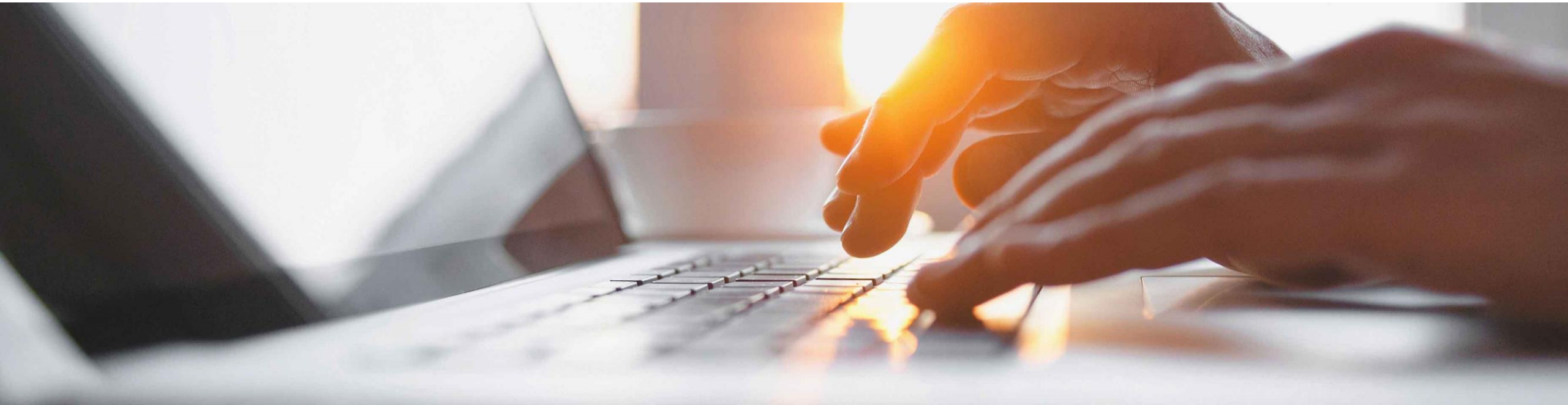


[Exercise 23: Setup Generic Authorization](#)



Setting Up Generic Authorization

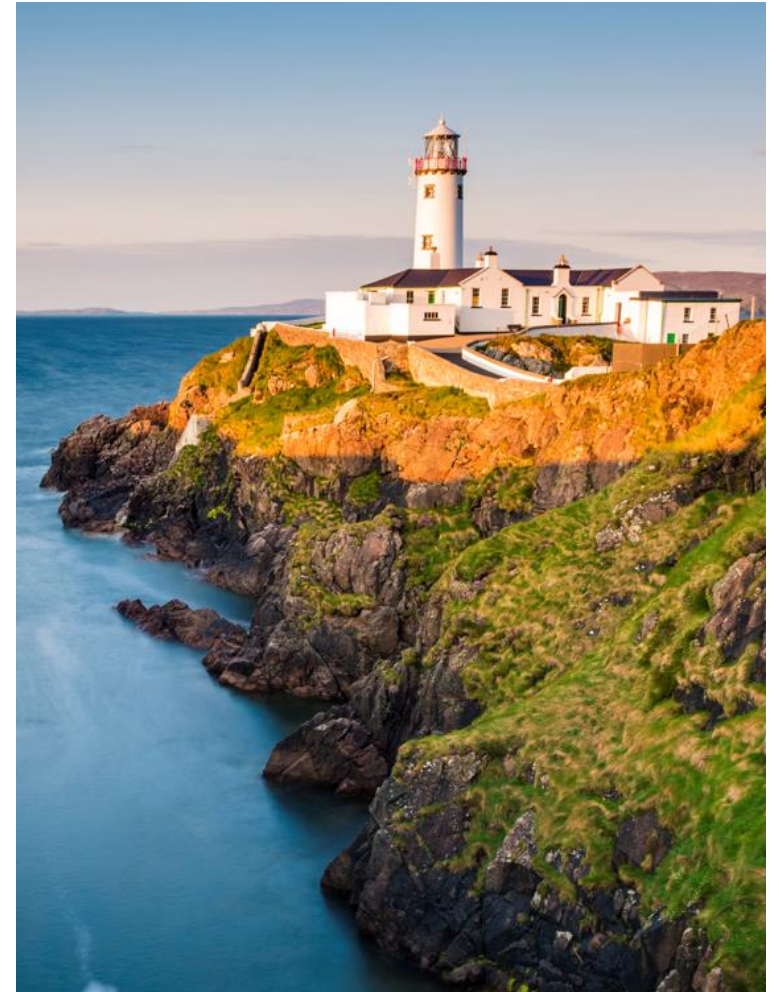
Review of sample solution



Setting Up Generic Authorization

What you've learned in this unit

- How to define application authorization model
 - What it is
 - Why we use it
 - How we do it using the security descriptor (xs-security.json)
- How to set up generic authorization via the app router



Thank you.

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