

Token Based Access

How SURF can leverage OAuth “3.0”











```
grants: {  
  "as-code-UYVRo0KS": "research-dr  
},  
"tickets": {  
  "as-ticket-XZyBb93I": {  
    "clientState": "surf-research-  
  }  
}
```

poc-3 — node - node clientApp.js —

Client is running on port 3001

SOMETHING
CONNECTS TO
SOMETHING

RESEARCH CLOUD
CONNECTS TO
RESEARCH DRIVE

1

DISCUSSION

FINE GRAINED ACCESS

2

DISCUSSION

SHORT LIVED TOKENS

3

DISCUSSION

CLIENT BOUND TOKENS

4

DISCUSSION

REUSE

INFRASTRUCTURE

COMPONENTS

A

USING OAUTH

“3.0”

A

FAPI-CIBA

A

LODGING

INTENT

PATTERN

A PUSHED AUTHORIZATION REQUESTS

A

RICH

AUTHORIZATION

REQUESTS

A

GNAP:

OAuth, but ...

a bit more generic

A

GNAP-RS

RESOURCE SET

REGISTRATION



```
POST /resource HTTP/1.1
Host: server.example.com
Content-Type: application/json
Signature-Input: sig1=...
Signature: sig1=...
Digest: ...
```

```
{
  "access": [
    {
      "actions": [
        "read",
        "write",
        "dolphin"
      ],
      "locations": [
        "https://server.example.net/",
        "https://resource.local/other"
      ],
      "datatypes": [
        "metadata",
        "images"
      ]
    },
    "dolphin-metadata"
  ],
  "resource_server": "7C7C4AZ9KHS6X63AJA0"
}
```

A

DYNAMIC

INTENT

REGISTRATION

A

NO MORE HARD WIRED SCOPES LIST

A

LETS US

DECOUPLE

RS FROM AS

B

THIS IS ALL

PRE

DANCE

B

CLIENT

INTERACTS WITH

RESOURCE SERVER

B

CAN RS BE

HIDDEN BEHIND

THE AS?

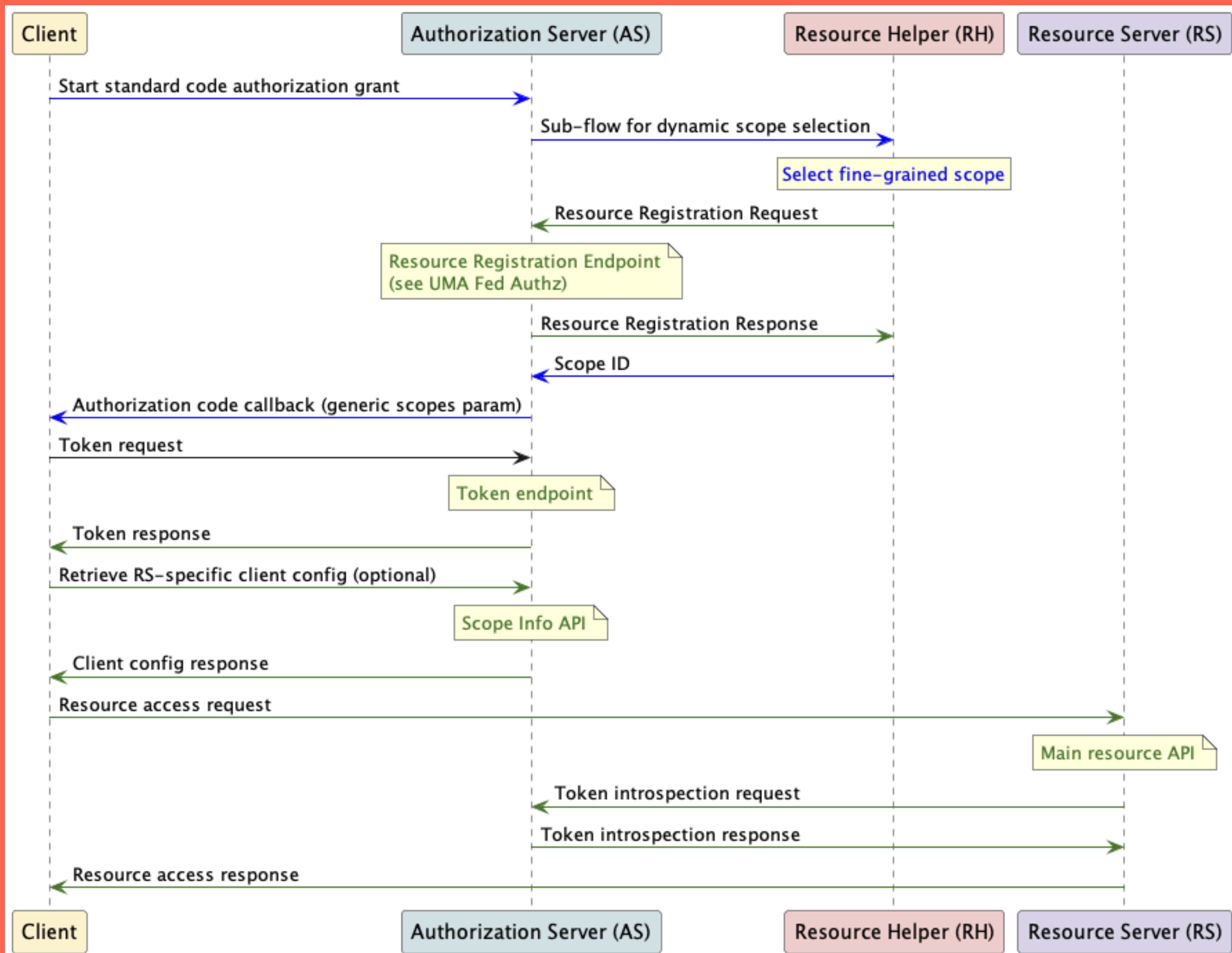
B

SUB DANCE

INSTEAD OF

PRE DANCE

B



B

OR IS THIS

JUST

WAYG?

B

WHERE
ARE YOU
GOING?

DEMO

C

BONUS
DISCUSSION
TOPIC....:

C

UNIFY TRIPLE

AUTHENTICATION

OR NOT?