



EHC eDAIS Messaging

Workshop 1: EHC Message Hub

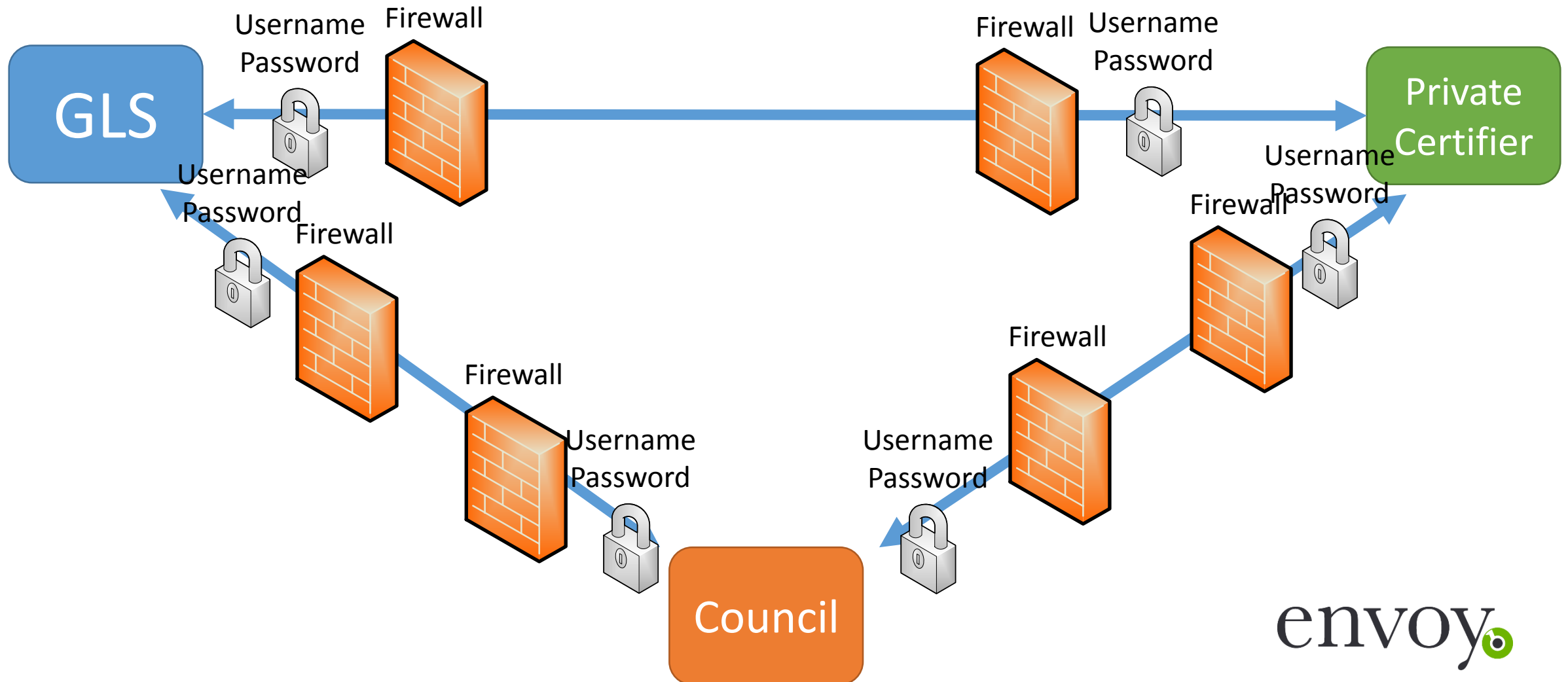
Introduction

- Welcome

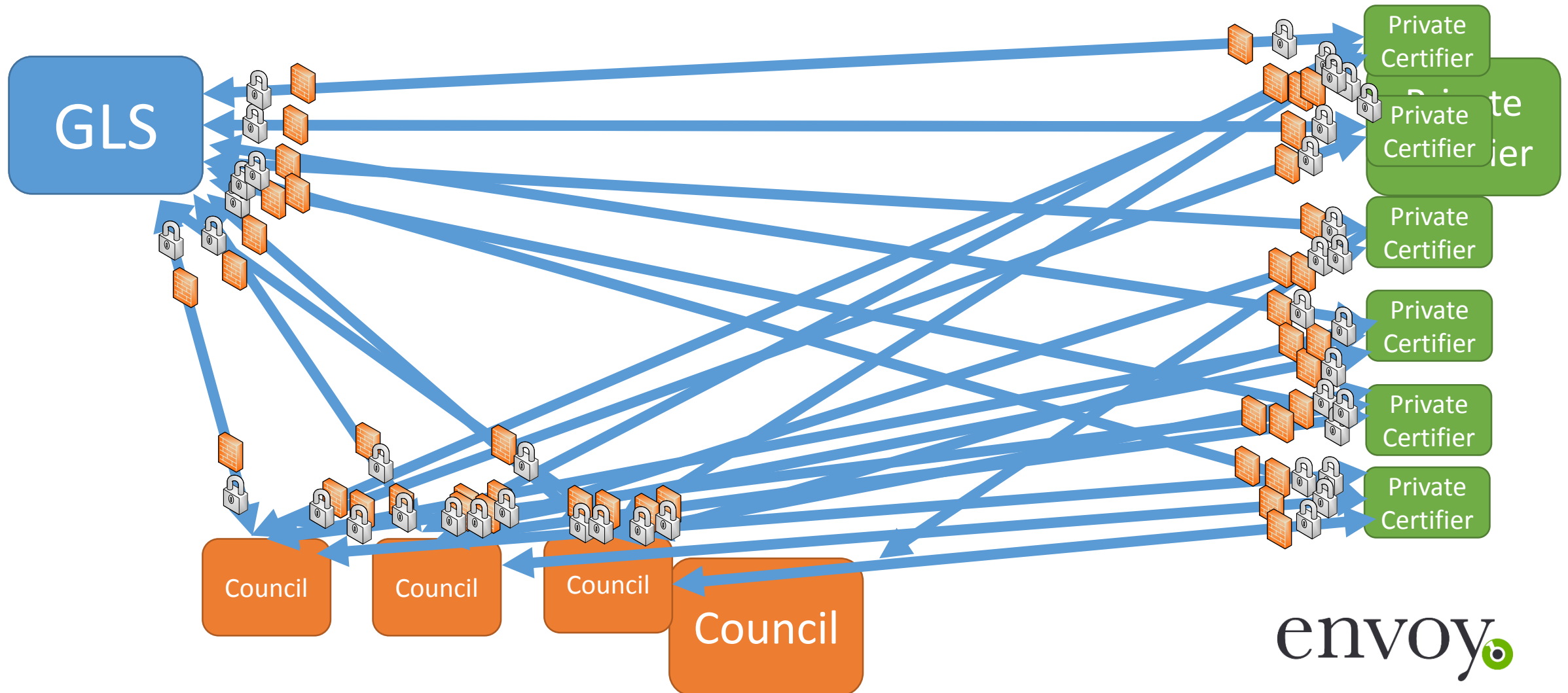
Introduction: Workshop Overview

- Current messaging specifications
- Messaging Hub
- Test Harness

Messaging: existing architecture



Messaging: existing architecture

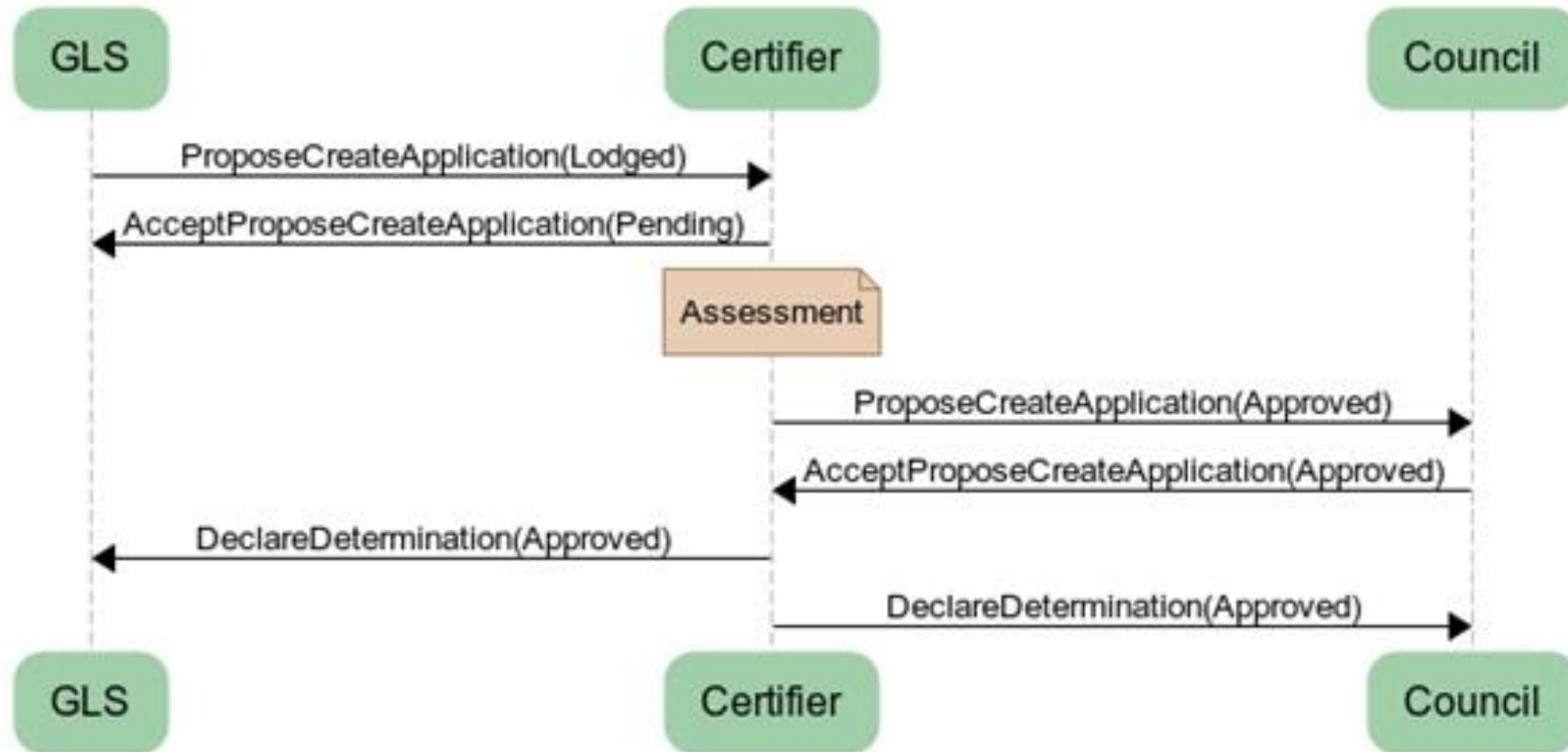


Messaging: Problems

- Operational: Firewalls and Endpoints
- Security
- Interoperability Testing
- Scaling
- Addressing

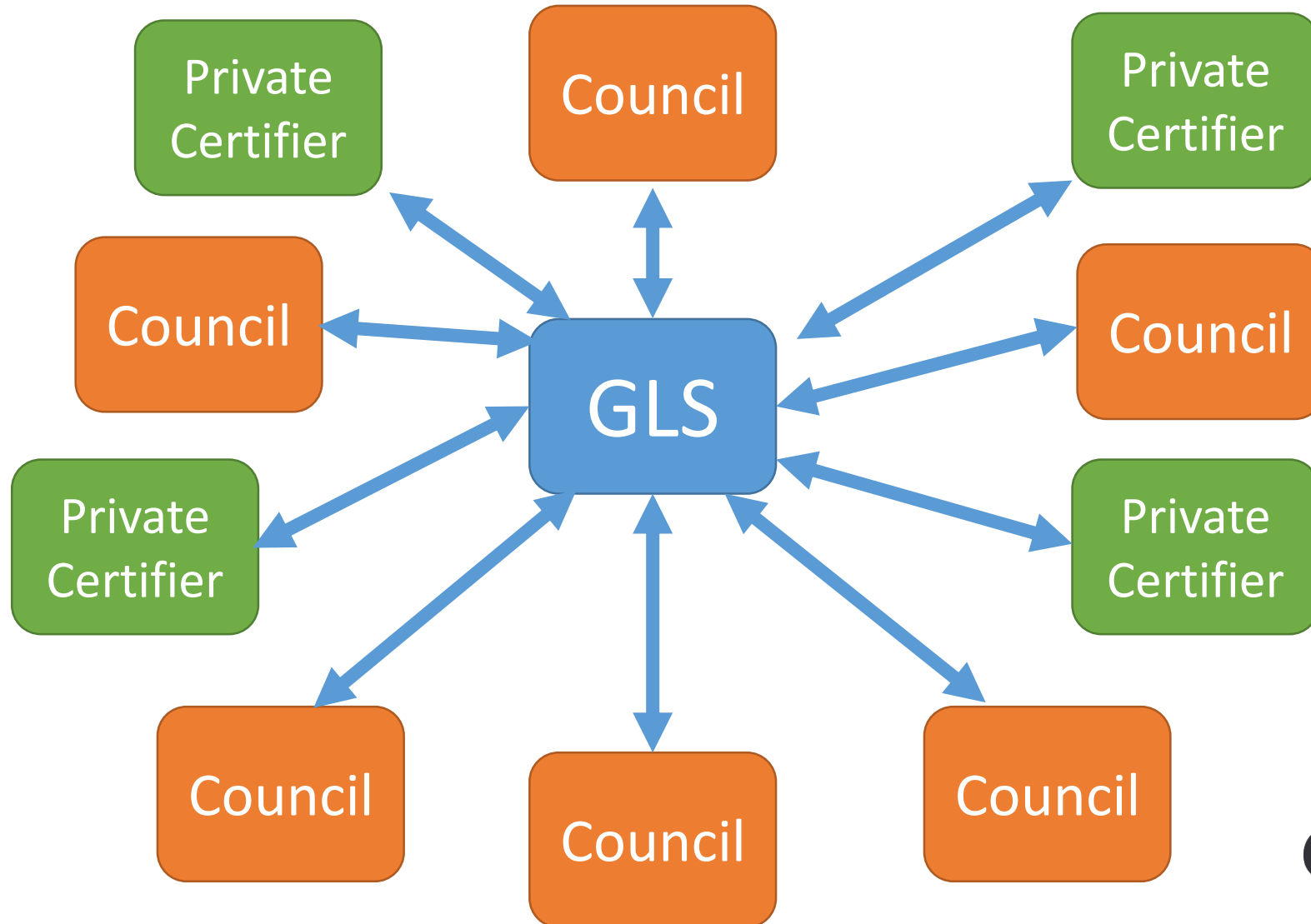
Existing Messaging: Sample Message Flow

Existing GLS-Certifier-Council Sequence

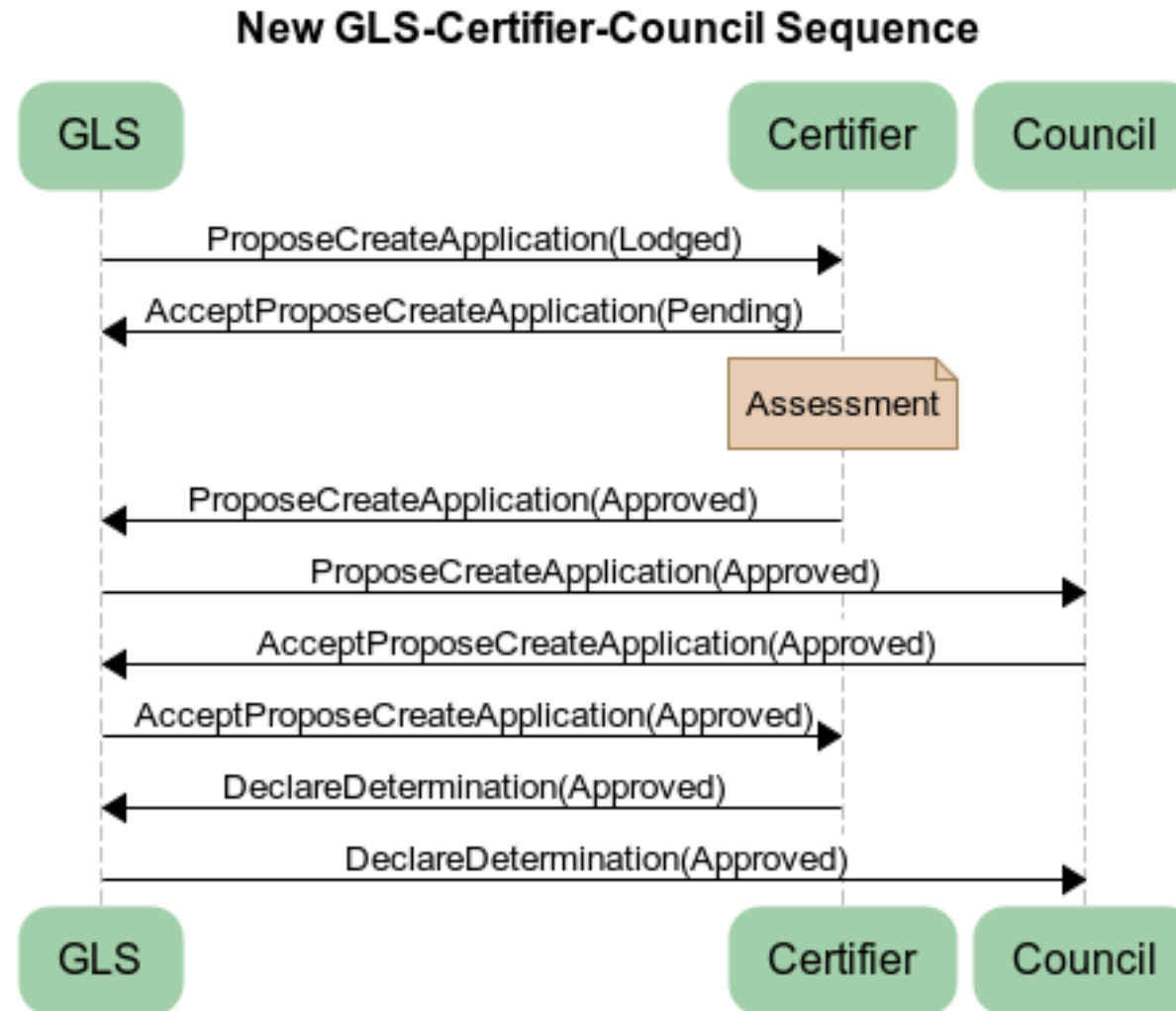


www.websequencediagrams.com

Messaging: proposed hub architecture



Messaging Hub: Message Flows



Messaging Hub

- Single endpoint, single server
- Security credentials per party
- No testing needed when new parties are added
- Minimal changes to implement
- Routing and logging of messages

Messaging Hub: Future

- Notifications of failures
- Automatic retries
- Extra validation

Messaging Hub: Discussion

- Feedback

Test Harness

- Security
- Firewall/network configuration
- Data interoperability and conformance to specification

Test Harness

- Developed earlier this year
- Runs sample test messaging scenarios
- Supports integration into automated test system
- Available for anyone to use with full source code

Test Harness: Usage

```
C:\ETH>ETH.exe -u http://+:8181/ -t DeclareDetermination.Receive
2013-12-05 09:50:12.0731|INFO|ETH.CommandLine.Program|Arguments: [
    -u,
    "http: //+:8181/",
    -t,
    DeclareDetermination.Receive
]
2013-12-05 09:50:12.1221|INFO|ETH.CommandLine.Program|Options: {
    Scenario: DeclareDetermination.Receive,
    ListScenarios: False,
    ListenUrl: "http://+:8181/",
    UseSoap11: False,
    Username: testuser,
    Password: testpass,
    SkipAuthentication: False,
    LogFileName: "C:\ETH\ETHLog.txt"
}
2013-12-05 09:50:12.2812|INFO|ETH.Http.Server|Listening on: http://+:8181/
2013-12-05 09:50:12.3002|INFO|ETH.CommandLine.Output|{
    Status: ready,
    Endpoint: "http://+:8181/"
}
{"status":"ready","endpoint":"http://+:8181/"}
```

Test Harness: Usage

```
C:\ETH>ETH.exe -c http://localhost:8181 -t DeclareDetermination.Send -a APP-1234
2013-12-05 09:52:26.6848|INFO|ETH.CommandLine.Program|Arguments: [
    -c,
    "http: //localhost:8181",
    -t,
    DeclareDetermination.Send,
    -a,
    APP-1234
]
2013-12-05 09:52:26.7318|INFO|ETH.CommandLine.Program|Options: {
    Scenario: DeclareDetermination.Send,
    ScenarioArguments:
    [
        APP-1234
    ],
    ListScenarios: False,
    ListenUrl: "https://*:8181/",
    ClientUrl:
    [
        "http: //localhost:8181"
    ],
    UseSoap11: False,
    Username: testuser,
    Password: testpass,
    SkipAuthentication: False,
    LogFileName: "C:\ETH\ETHLog.txt"
}
2013-12-05 09:52:26.8958|INFO|ETH.Http.Server|Listening on: https://*:8181/
2013-12-05 09:52:27.1460|INFO|ETH.Http.Client|Request: {
    Headers:
```



```

    <Contact>Test System</Contact>
    <ContactTypeIdentifier/>
    <EmailAddress/>
    <TelephoneNumber/>
  </Contact>
  <ID>Test</ID>
  <ProcessRole>Initiator</ProcessRole>
</ReceiverPartner>
<SenderPartner xmlns="http://xml.gov.au/edais/core/msg.data.2.3.0r2">
  <Authority>Test</Authority>
  <Contact>
    <Contact>Test System</Contact>
    <ContactTypeIdentifier/>
    <EmailAddress/>
    <TelephoneNumber/>
  </Contact>
  <ID>Test</ID>
  <ProcessRole>Responder</ProcessRole>
</SenderPartner>
<Version xmlns="http://xml.gov.au/edais/core/msg.data.2.3.0r2">2.3.0r2</Version>
</StandardBusinessMessageHeader>
</ReceiptAcknowledgementSignal></s:Body></s:Envelope>
2013-12-05 09:52:28.3904|INFO|ETH.Soap.MessageProvider|Decoded into SOAP Message successfully.
2013-12-05 09:52:28.4384|INFO|ETH.Soap.SoapDecoder|Deserialized from XML successfully.
2013-12-05 09:52:28.4384|INFO|ETH.CommandLine.Output|{
  Result: Pass
}
{"result": "pass", "message": null}

C:\ETH>

```

```

    <Contact>Test System</Contact>
    <ContactTypeIdentifier/>
    <EmailAddress/>
    <TelephoneNumber/>
  </Contact>
  <ID>Test</ID>
  <ProcessRole>Initiator</ProcessRole>
</ReceiverPartner>
<SenderPartner xmlns=""http://xml.gov.au/edais/core/msg.data.2.3.0r2"">
  <Authority>Test</Authority>
  <Contact>
    <Contact>Test System</Contact>
    <ContactTypeIdentifier/>
    <EmailAddress/>
    <TelephoneNumber/>
  </Contact>
  <ID>Test</ID>
  <ProcessRole>Responder</ProcessRole>
</SenderPartner>
  <Version xmlns=""http://xml.gov.au/edais/core/msg.data.2.3.0r2"">2.3.0r2</Version>
</StandardBusinessMessageHeader>
</ReceiptAcknowledgementSignal></s:Body></s:Envelope>"
}
2013-12-05 09:52:28.1923|INFO|ETH.CommandLine.Output|{
  Result: Pass
}
{"result":"pass","message":null}

C:\ETH>

```

Test Harness: Discussion

- Feedback

Wrap-Up

- Questions and Feedback?