// heise devSec() 2020 // Jakarta EE Security und Microprofile JWT in Aktion // @LeanderReimer #cloudnativenerd #qaware

16

DMZ

A Shared PaaS

Reverse Proxy

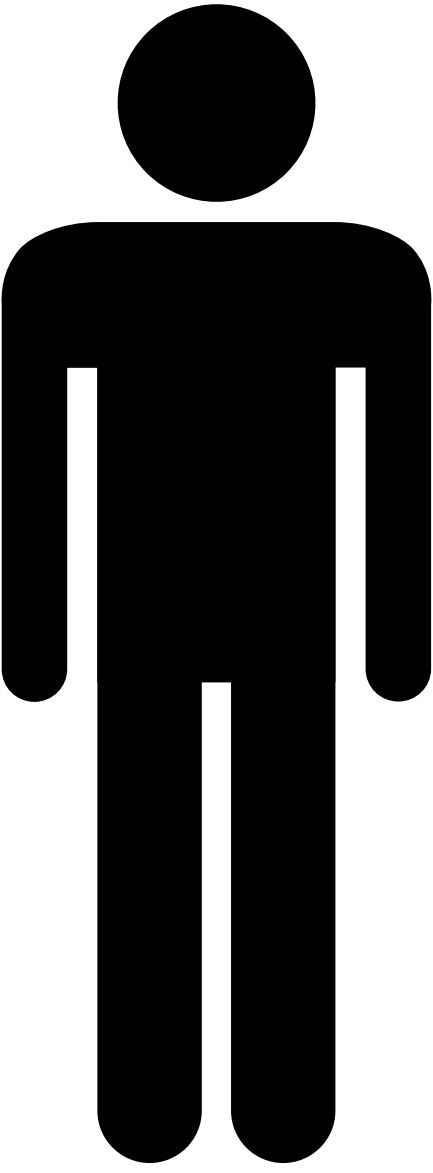
Reverse Proxy

Namespace Bounded Context A

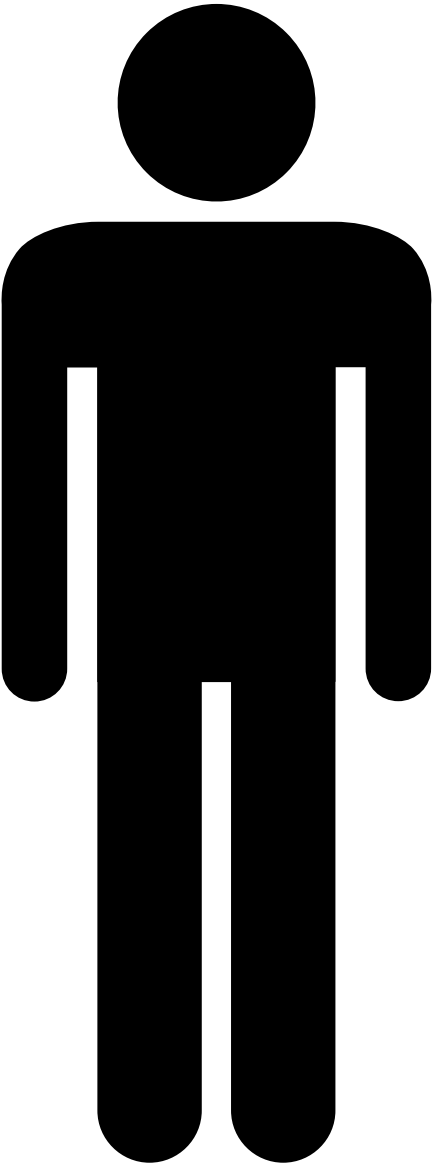
API Gateway

Reverse Proxy

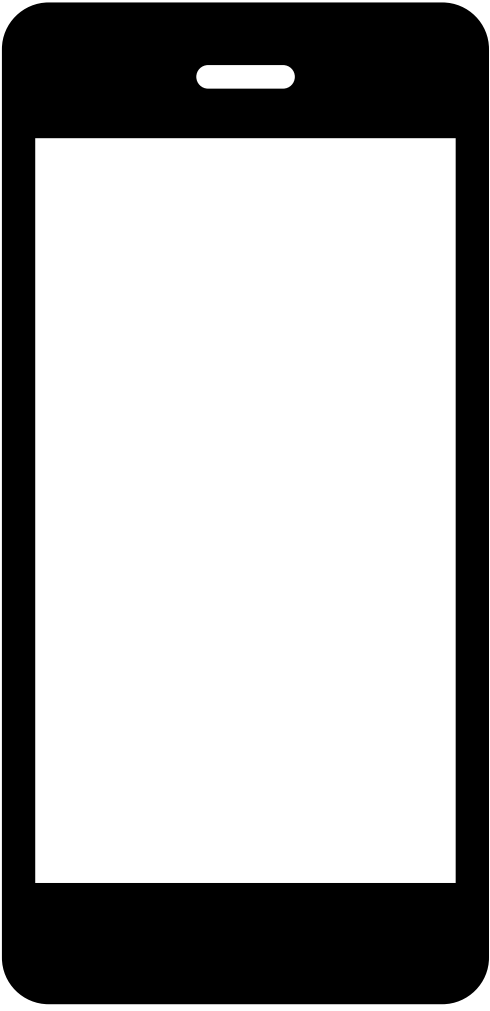
[redacted]



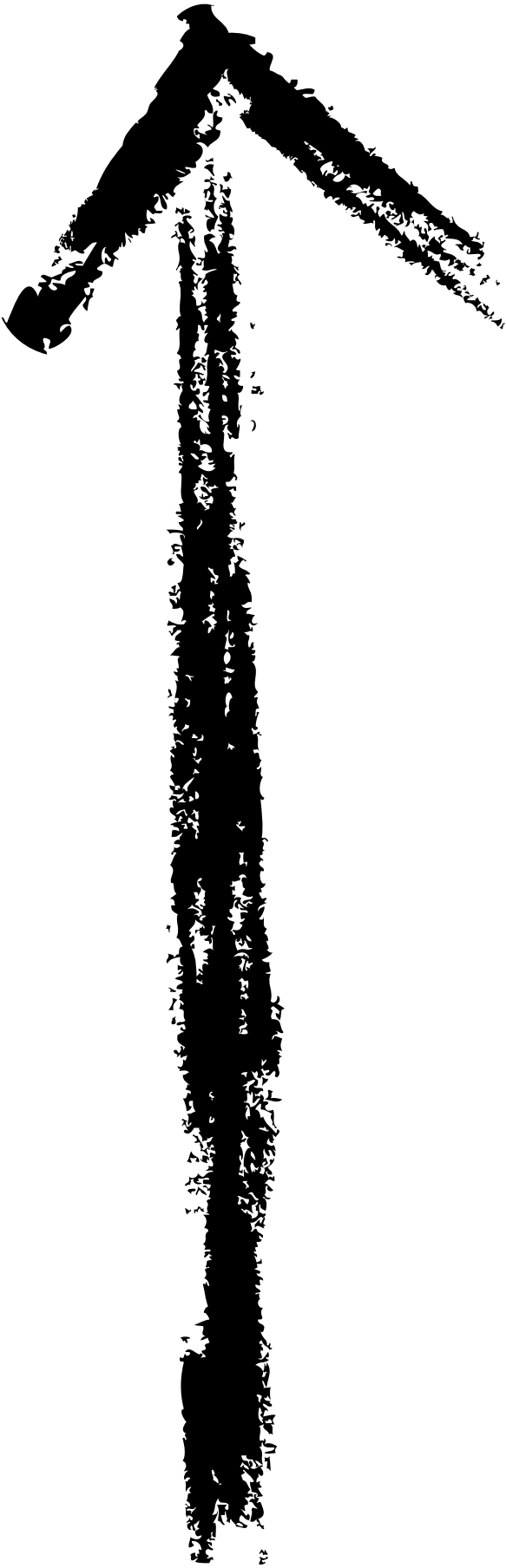
Users



3rd Party Apps



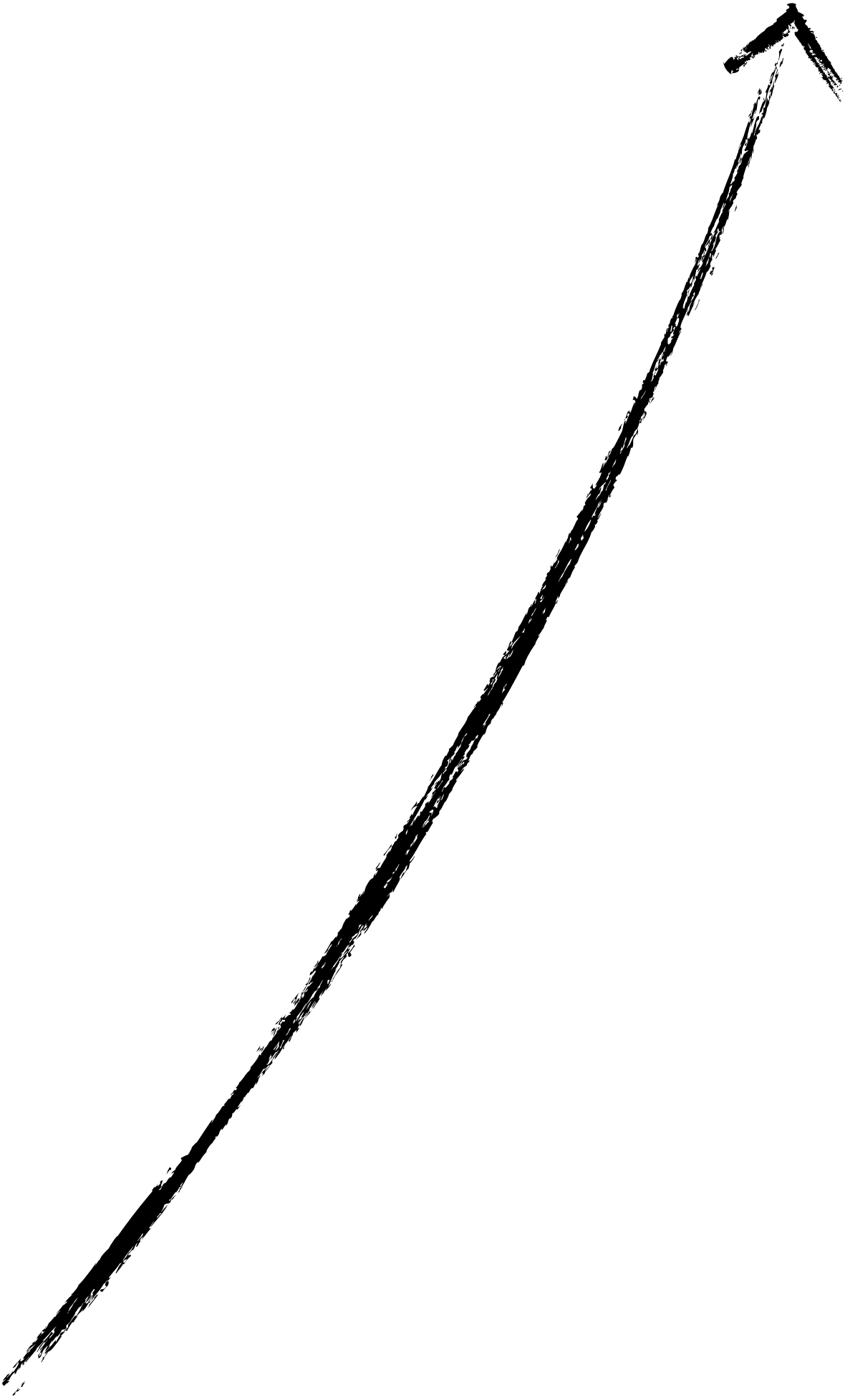
Mobile



Namespace Security Context

Security Gateway

[redacted]



Auth Service X

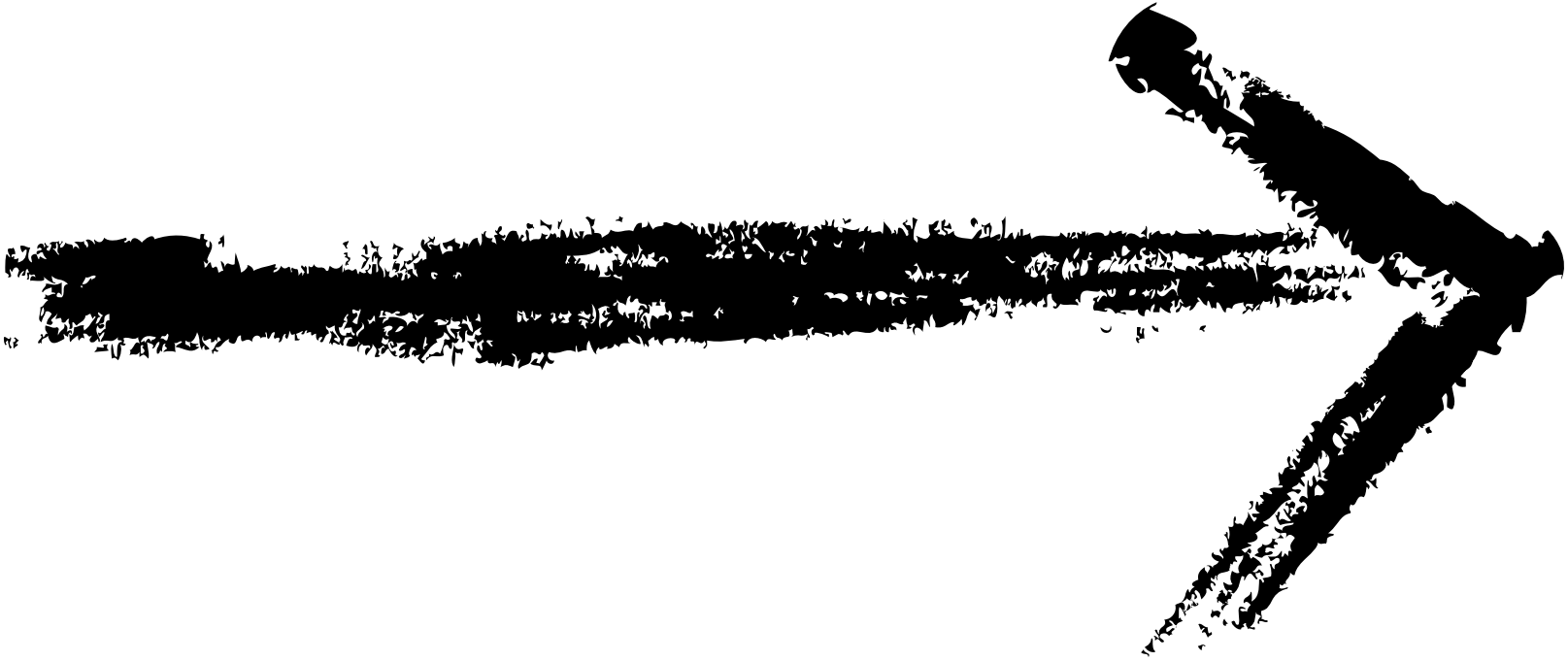
Auth Service Y

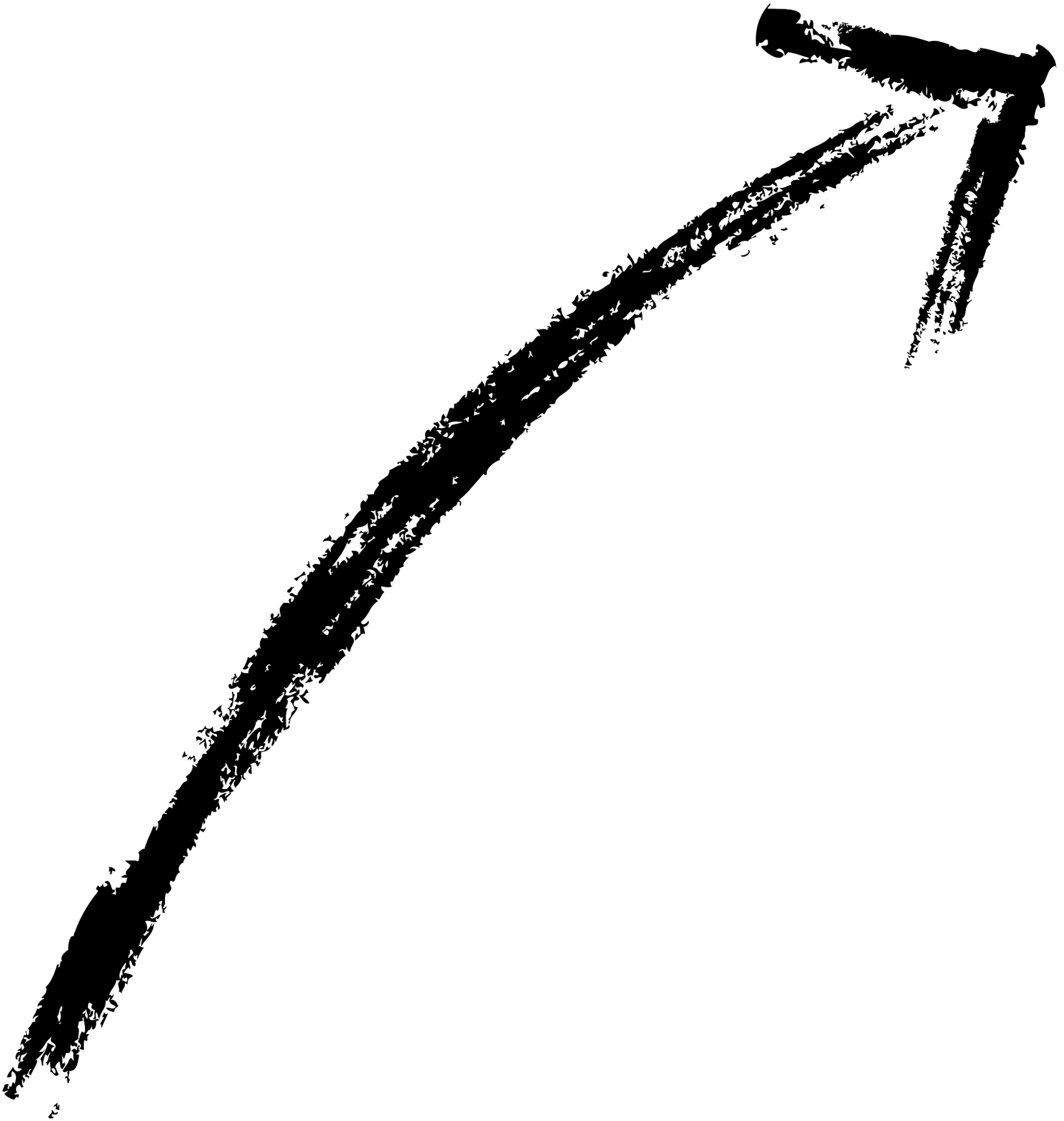
Auth Service Z

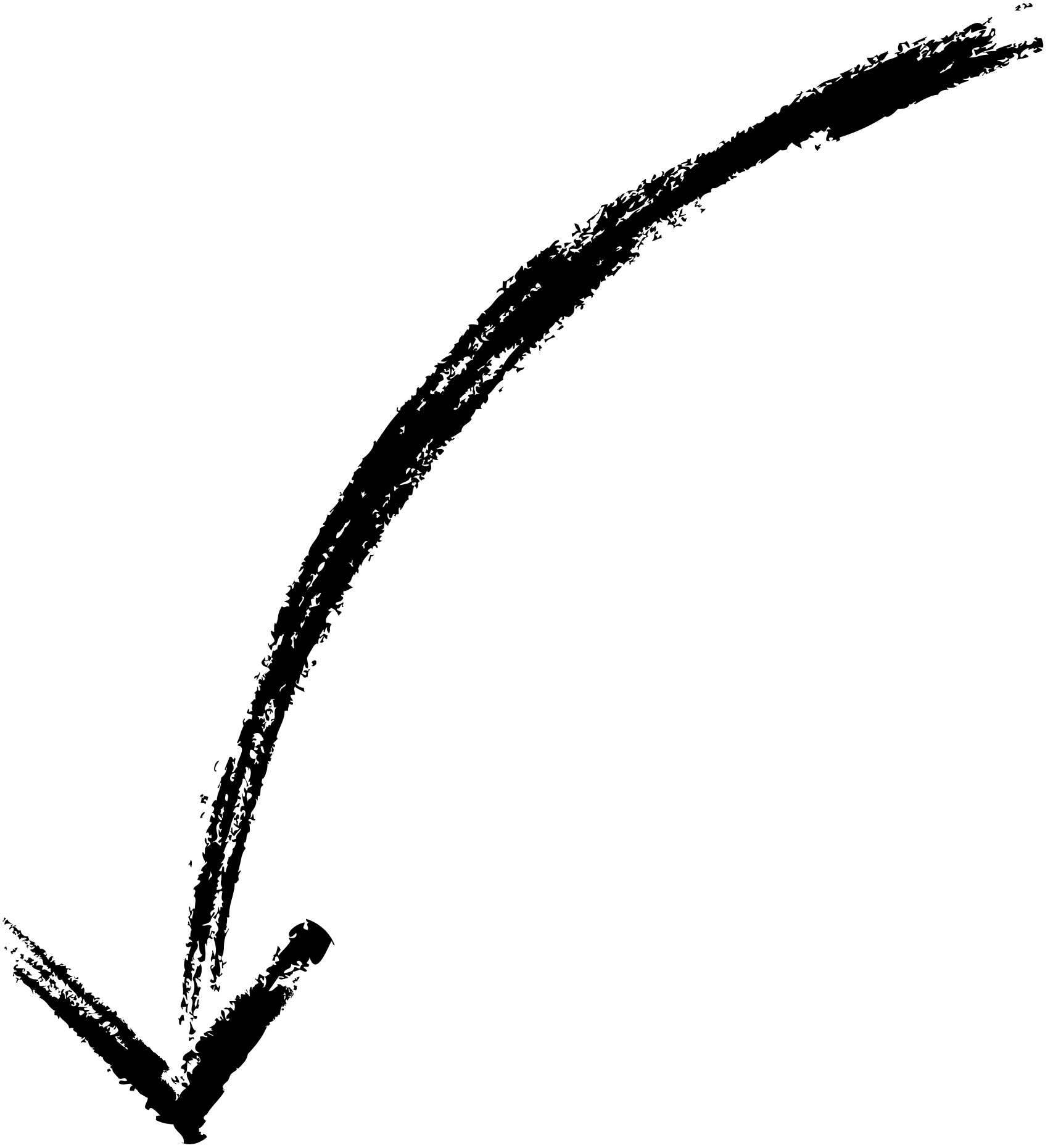
Service A

Service B

JWKS Service







3

JWT

JWT

5

2

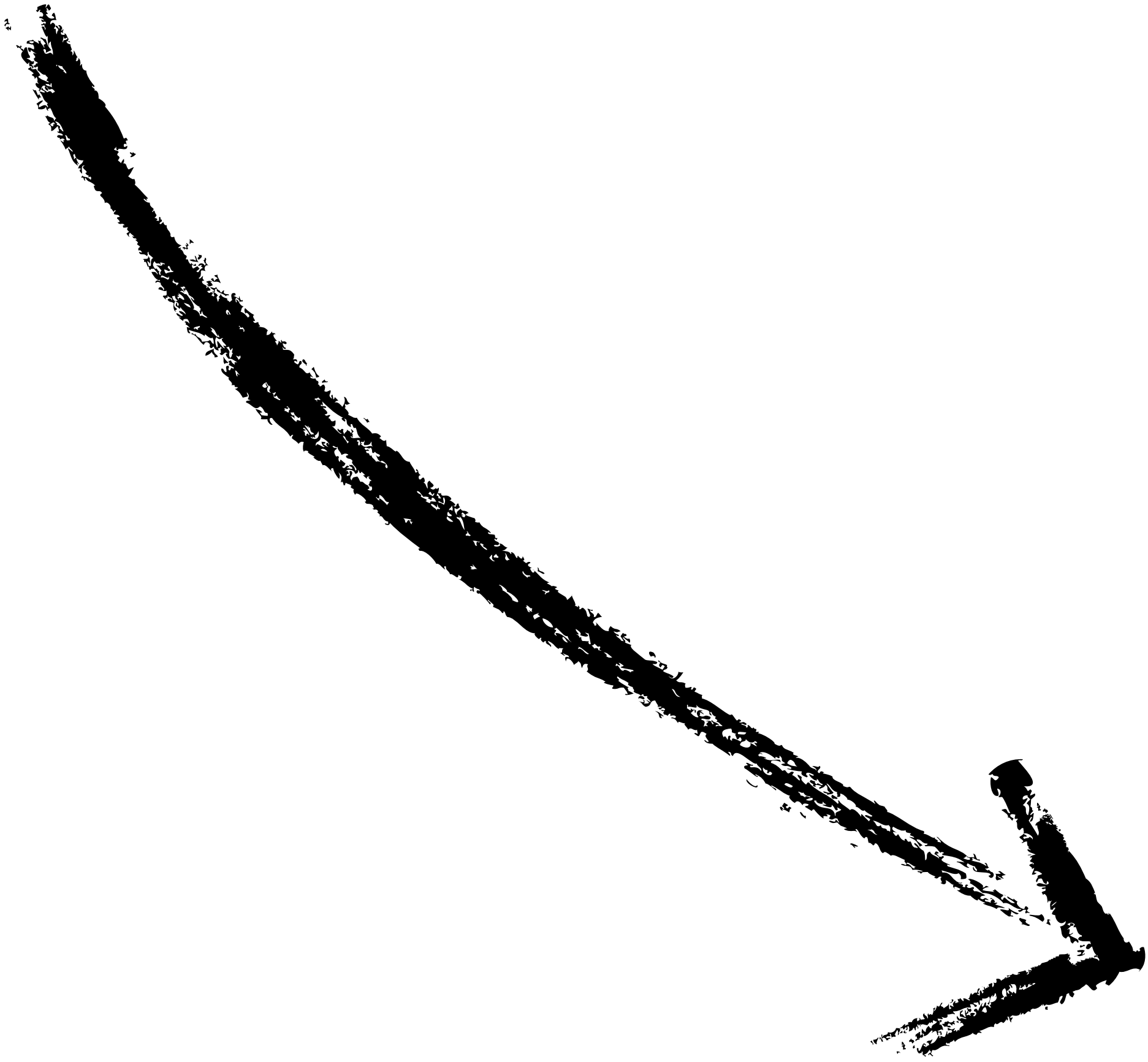
2

1

4

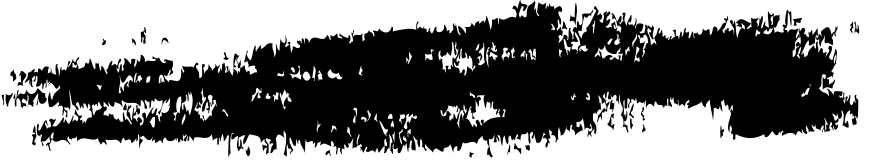
[redacted]

4



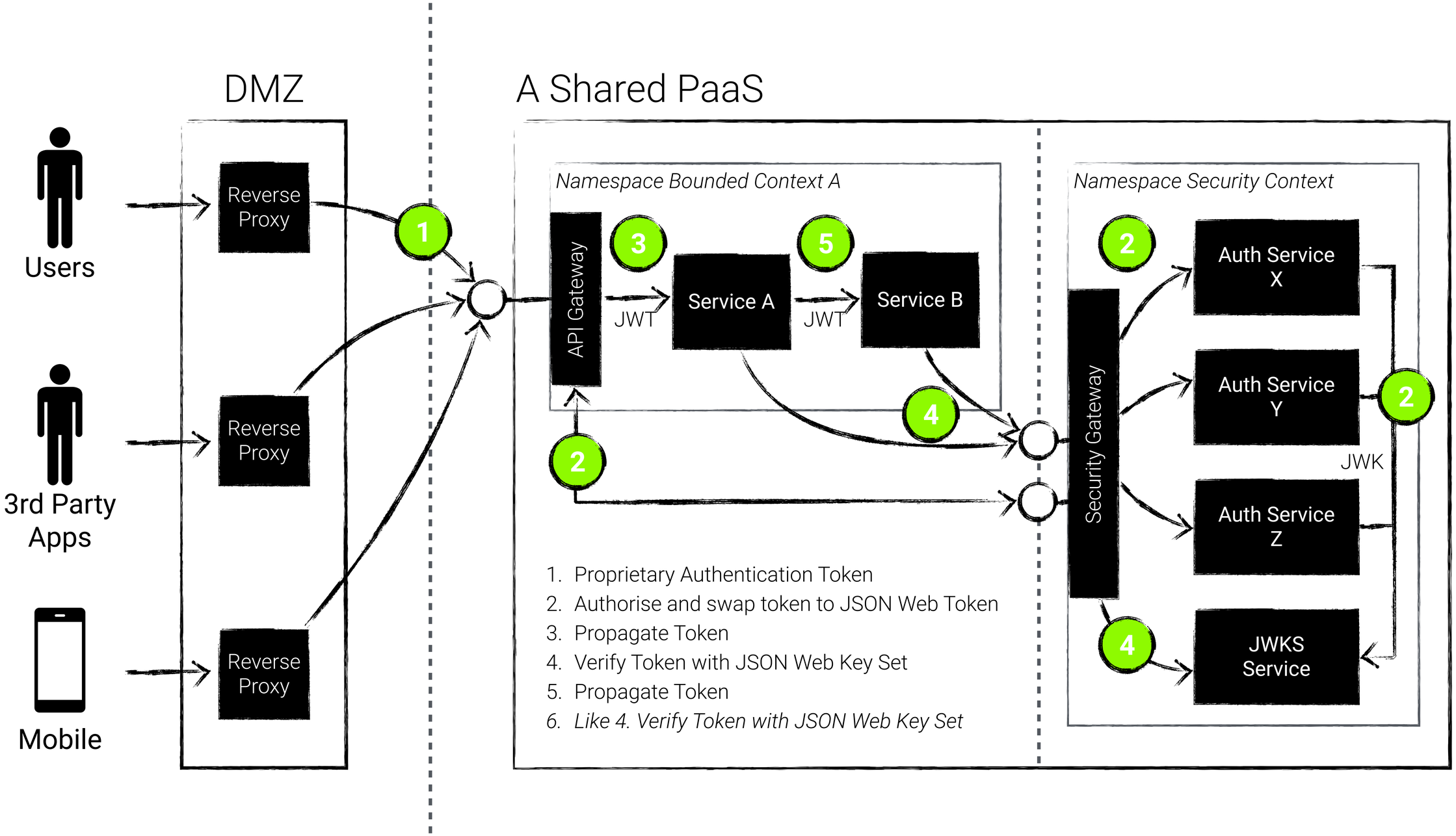
1. Proprietary Authentication Token
2. Authorise and swap token to JSON Web Token
3. Propagate Token
4. Verify Token with JSON Web Key Set
5. Propagate Token
6. *Like 4. Verify Token with JSON Web Key Set*

[redacted]



2

JWK


DMZ
A Shared PaaS
Users
3rd Party Apps
Mobile
Reverse Proxy
Reverse Proxy
Reverse Proxy
Namespace Bounded Context A
API Gateway
Service A
Service B
JWT
JWT
Namespace Security Context
Security Gateway
Auth Service X
Auth Service Y
Auth Service Z
JWKS Service
JWK
1. Proprietary Authentication Token
2. Authorise and swap token to JSON Web Token
3. Propagate Token
4. Verify Token with JSON Web Key Set
5. Propagate Token
6. Like 4. Verify Token with JSON Web Key Set

Demo

https://github.com/lreimer/jakartaee-jwt-security