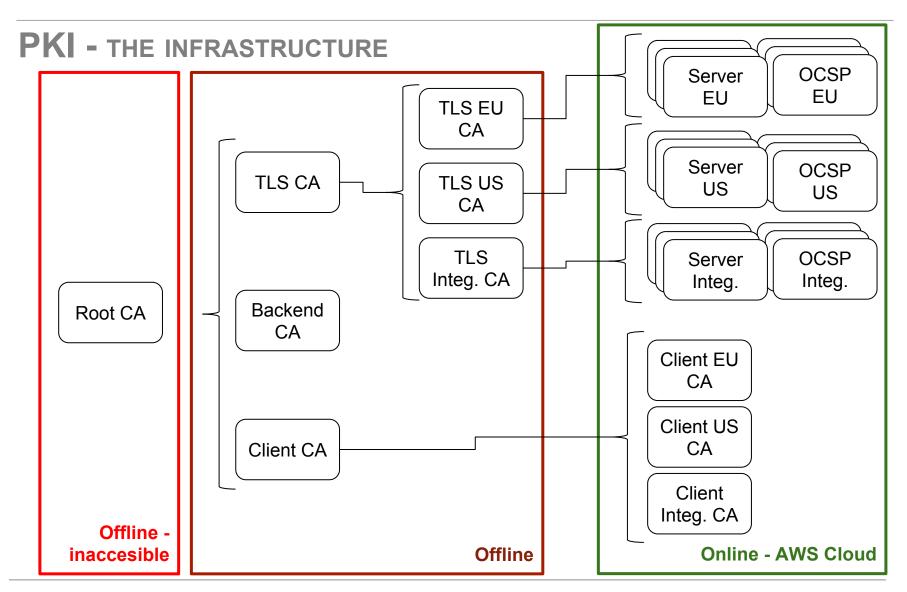


PKI AUTOMATION IN THE CLOUD

Munich, May 2018







CHALLENGES & RISKS

Challenges:

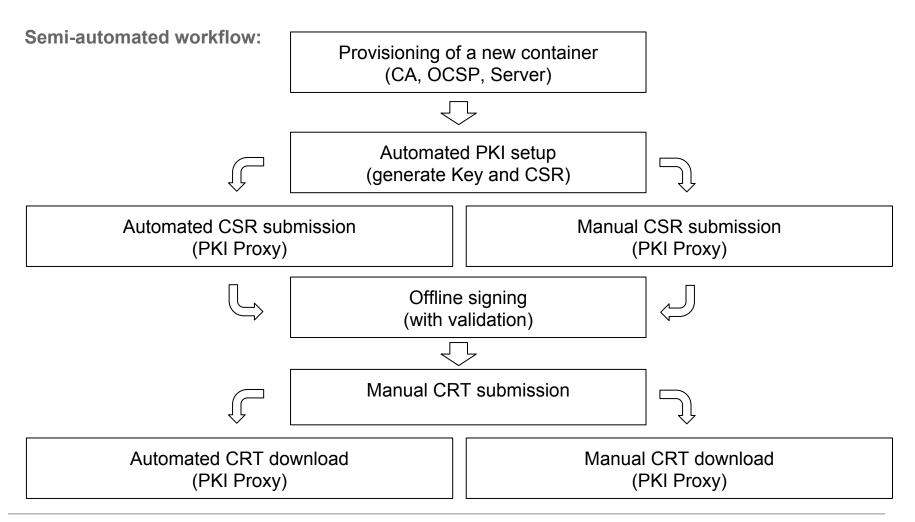
- Multiple environments
 - Multiple CAs
 - DN naming structure
 - Overview
- Multiple suppliers
- Scaling of instances
- CRL maintenance

Risks:

- Human factor
 - CSRs with wrong DNs
 - CSRs with identical keys
 - CRTs from wrong CA
 - CRTs from wrong CSR
- Response time
 - manual effort during scaling

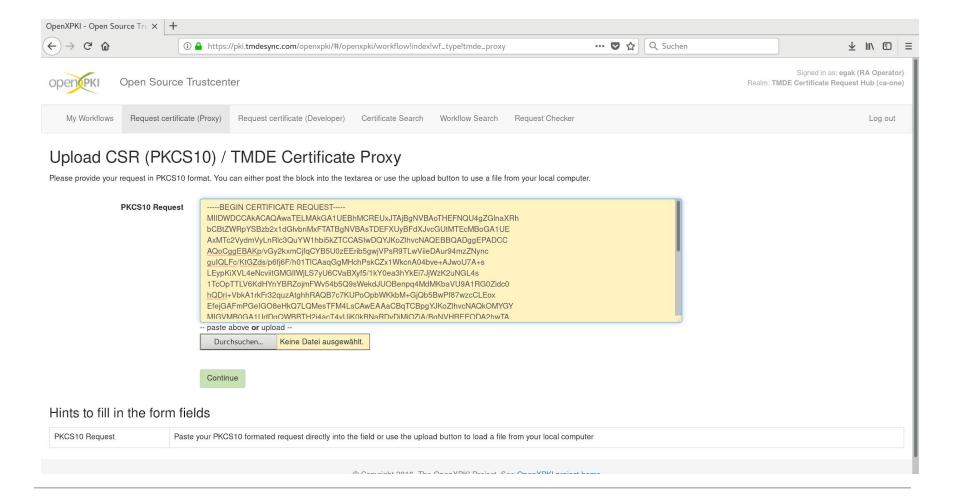


SOLUTION: AUTOMATION



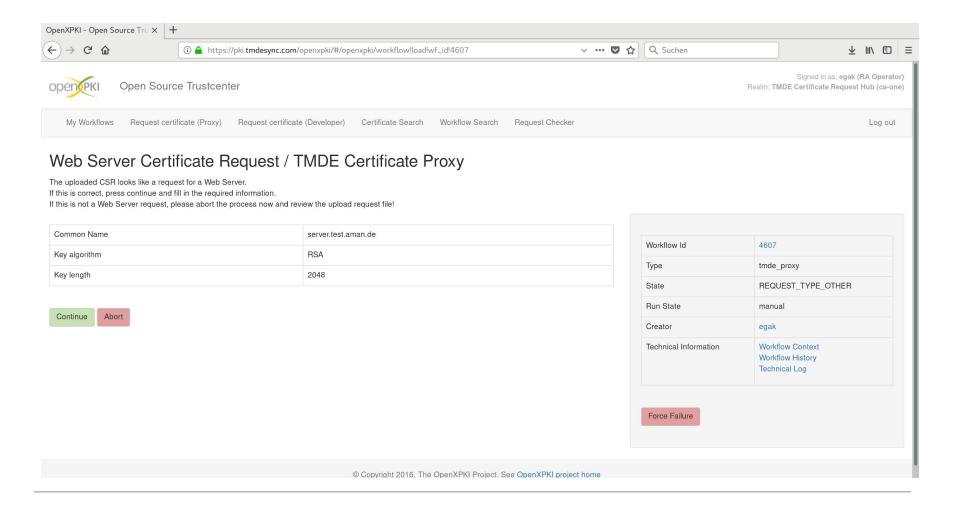


STEP-BY-STEP: UPLOAD CSR



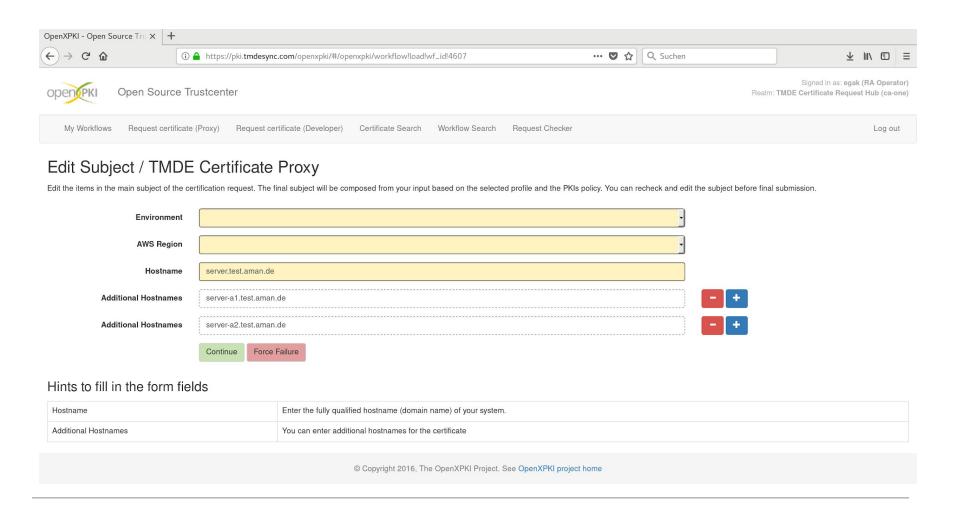


STEP-BY-STEP: UPLOADED CSR



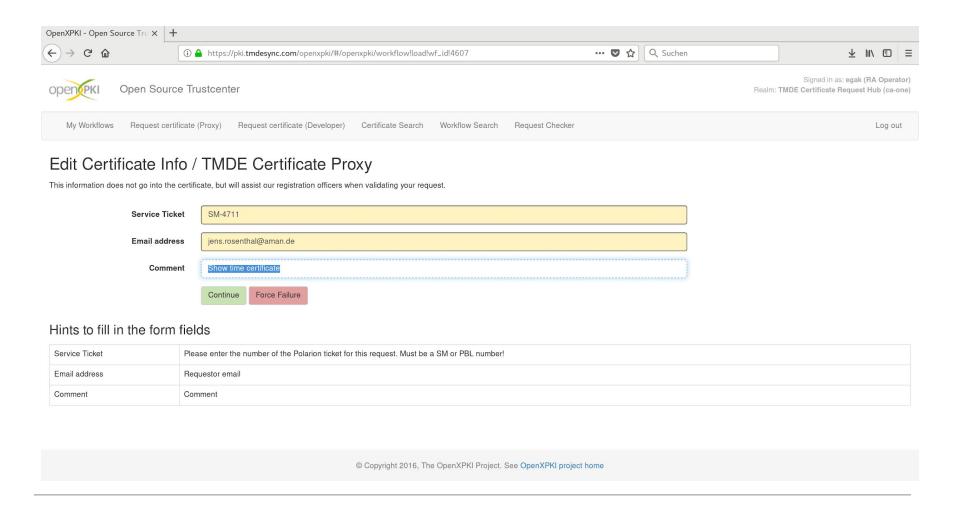


STEP-BY-STEP: ADD DETAIL INFORMATION





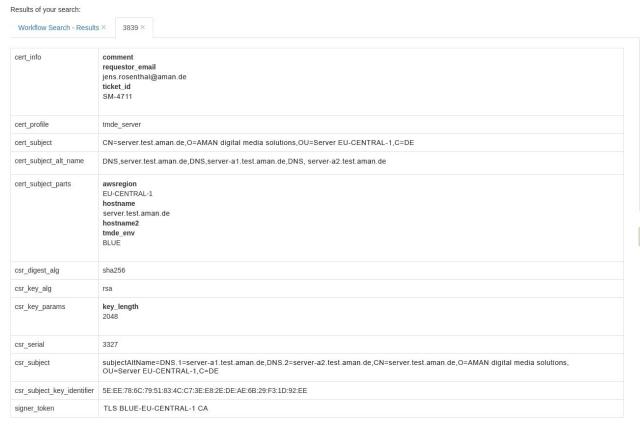
STEP-BY-STEP: ADD VALIDATION INFORMATION





STEP-BY-STEP: VALIDATE AND SIGN CSR

Workflow Search - Results



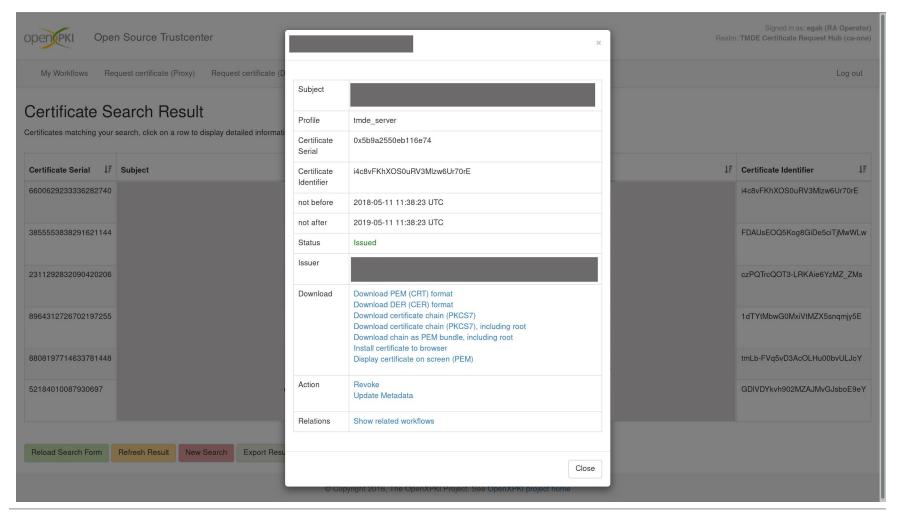
Workflow Id	3839
Туре	tmde_proxy
State	PENDING
Run State	manual
Creator	oliwel
Technical Information	Workflow Context Workflow History Technical Log

Upload Certificate

Cancel Request



STEP-BY-STEP: DOWNLOAD SIGNED CRT





SOLUTION: AUTOMATION

Benefits:

- Validation
 - of DNs in CSRs
 - of signed CRTs
- Assistance
 - automated assignment of signing CAs
 - automated assignment of certificate purpose
 - documentation
 - o overview
- Self-Service
 - semi automated process
 - authentication / authorization
 - faster



QUESTIONS?

Time for questions

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