

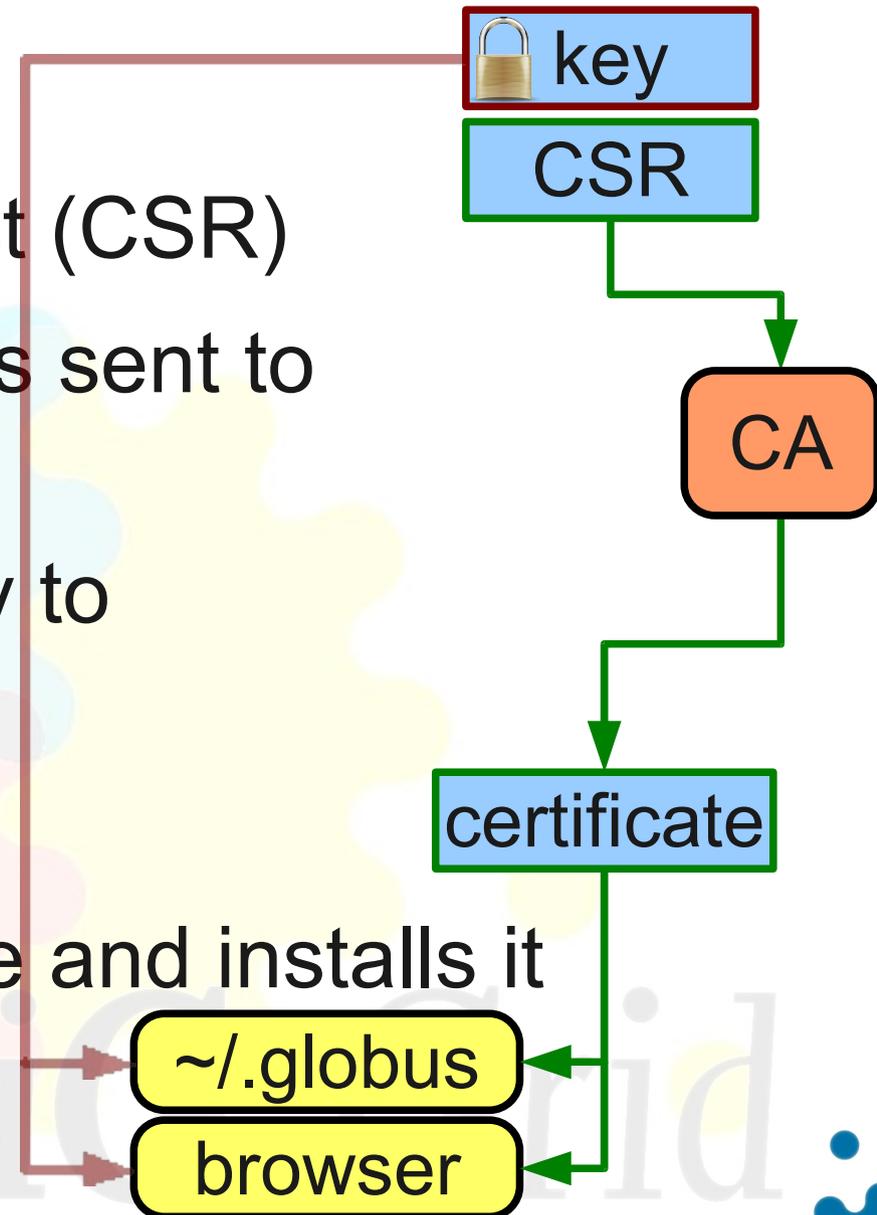
Getting access to the grid

giving the user *friendly* control

Willem van Engen, [Nikhef](#), 14th of May 2009

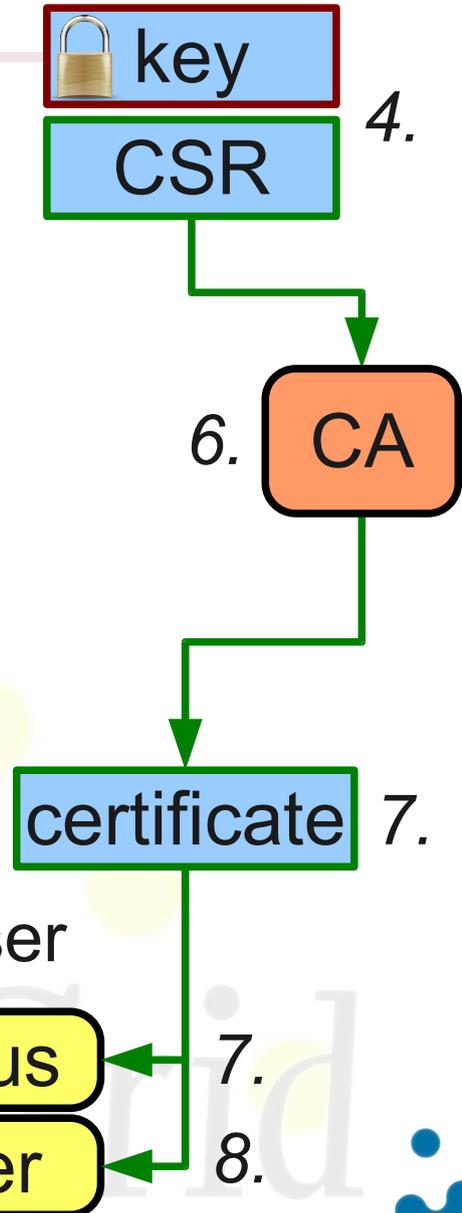
The process

- User generates key & certificate signing request (CSR)
- Certificate signing request is sent to certificate authority (CA)
- User brings proof-of-identity to registration authority (RA)
- RA/CA sign the CSR
- User retrieves the certificate and installs it



Current user experience

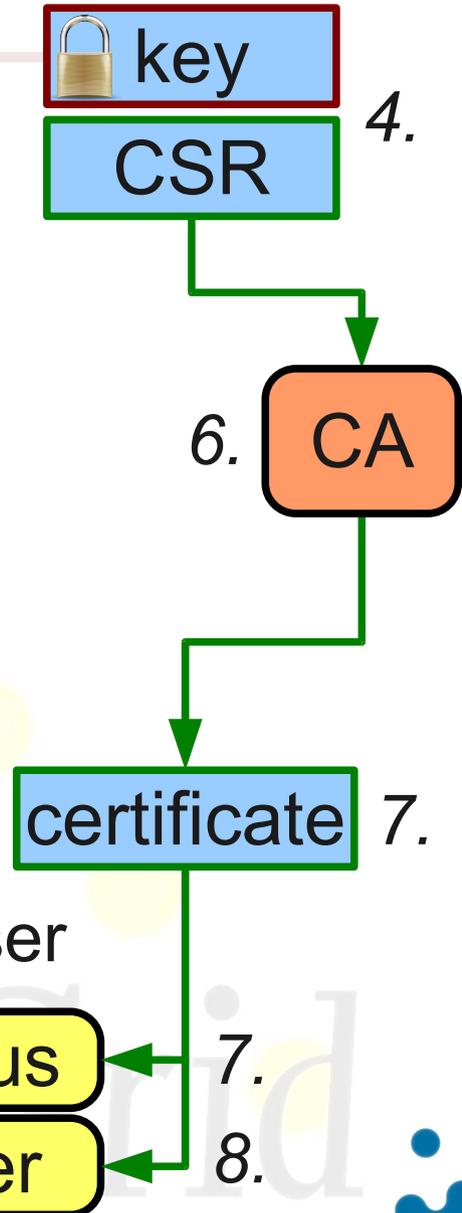
1. Go to <https://ca.dutchgrid.nl/request/>
2. Fill in personal details
3. Verify personal details
4. Download & run `make request` script
5. Download, print, complete & sign PDF form
6. Verify identity at RA
7. Download the signed certificate in `~/.globus`
8. PKCS export using `openssl` & install in browser
9. Signup for VOs using browser



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9. Signup for VOs using browser
10. Renewal using **signed email**

Complicated & scary
(for ordinary users who might not be fluent in command-line)



Desired user experience

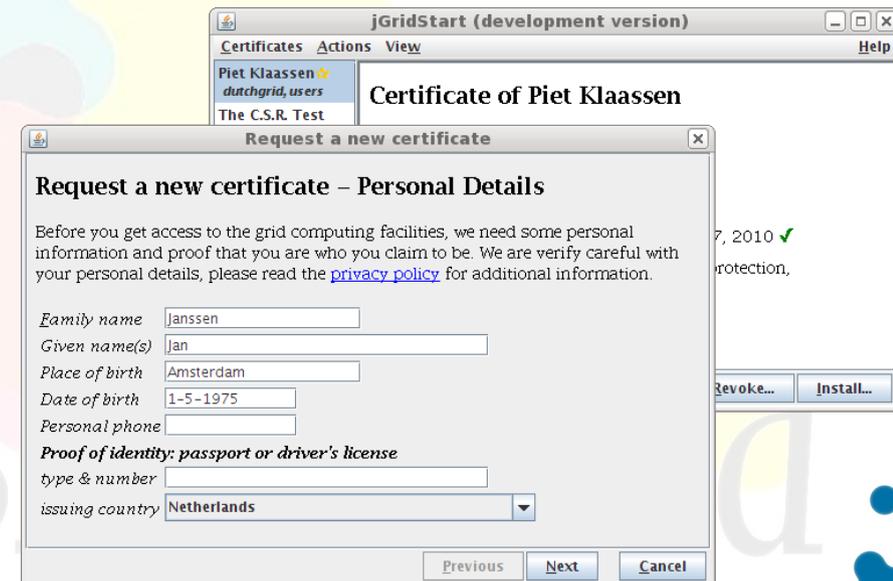
1. Easily discoverable entry point (like web page)
2. Enter details (once)
3. Submit request
4. Verify identity at RA
5. Start using the grid

Desired user experience

1. Easily discoverable entry point (like web page)
2. Enter details (once)
3. Generate certificate and submit request
4. *Print and sign PDF form*
5. Verify identity at RA
6. *Install certificate into ~/.globus & browser*
7. *Signup for VOs*
8. Start using the grid

jGridStart

- Single application
 - Easy deployment with Java Web Start
 - Runs with full permissions (after confirmation)
 - Detects state and handles accordingly
 - Takes care of whole cycle from request to renewal
 - Alpha forthcoming



The screenshot shows the jGridStart (development version) application window. The main window displays a 'Certificate of Piet Klaassen' for 'dutchgrid, users'. A dialog box titled 'Request a new certificate - Personal Details' is open, containing the following information:

Request a new certificate - Personal Details

Before you get access to the grid computing facilities, we need some personal information and proof that you are who you claim to be. We are verify careful with your personal details, please read the [privacy policy](#) for additional information.

Family name: Janssen
Given name(s): Jan
Place of birth: Amsterdam
Date of birth: 1-5-1975
Personal phone:
Proof of identity: passport or driver's license
type & number:
issuing country: Netherlands

Buttons: Previous, Next, Cancel

Demo

BiG Grid