

janet

New Certificate Service from Janet Jisc

15 January 2015

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- Consists of a private and public key.
- Encrypts information between user's web browser and the website/service being visited.
- Provides some assurances (depending on type) about the holder of the certificate and therefore about the website they are visiting
- Different types, broadly speaking
 1. Domain Validated (low assurance), and
 2. Business/Organisation Validated (higher assurance)
 - 2b. Extended Validation (highest assurance)



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- First launched December 2006
 - Part of the TERENA Certificate Service
 - Certificate Authority is a commercial supplier
 - Janet's (and other NRENs') role is Registration Authority
 - Incumbent supplier is Comodo (since Dec 2009)



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- 700+ members from UK academia and public sector
 - Certificates requested and obtained through a web portal
 - Issued over 50,000 certificates since 2006
 - Charging introduced June 2013
 - Devolved user access and management to members




- Recent security incidents at commercial CAs, e.g. DigiNorta certificate compromise and Comodo reseller security breach
- Impact on certificate issuance processes, with introduction of Domain Validation and telephone call-back
- Other recent events affecting certificates, e.g. Heartbleed bug and SHA-1 deprecation

To avoid security warnings replace SHA-1 certificates which expire in 2017.



- Issues affecting delivery of service
- Lack of contractual control.
- Decision to procure own service
- With a focus on high assurance EV certificates
- Procurement objectives
 - reduce time to obtain high assurance
 - direct contractual relationship with supplier
 - improve customer user experience



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- OV and EV certificates only
 - Approval step introduced (according to CAB guidelines)
 - Removal of additional email domain validation step
 - Removal of telephone call-back for all orders
 - Massive reduction in time to obtain these certificates from ~5 days to > 1hr
 - Simplified service for quick and secure certificate issue
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- A decorative graphic in the bottom right corner consisting of several overlapping, semi-transparent circles in various colors including red, orange, yellow, green, and pink.

- User verification devolved to end sites/members
- Enhanced functionality added to existing system
- Transition taking place now to new supplier
- Service testing in February
- Service launch mid-April 2015



Any questions or comments?

Other AIM services:

- eduroam – access to network
- UK Access Management Federation – access to web-based services
- Assent (formerly Moonshot) – access to non-web services

Jisc Access and Identity Management services

www.tinyurl.com/jiscaim

