

# Certificate Types

## Jisc Certificate Service

Jisc is able to provide subscribers of the Certificate Service with a range of server and S/MIME email certificates issued by QuoVadis CA.

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**All certificates issued are SHA-256.**

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### **1. QuoVadis Extended Validation (EV) SSL certificate - recommended by Jisc for high profile web services**

- Provides the **highest level of assurance** for end users by turning the **address bar green**;
- Populates the 'O' and 'OU' fields in the certificate;
- Can be used to secure Fully Qualified Domain Names (FQDNs);
- Provides a high-level protection of 128/256 bit encryption;
- Can be used for financial transactions;
- Cannot be obtained for schools;
- **Issue time: up to 1 working day, average time 1 hour**;
- Issuance ratified by the CA/Browser Forum's Baseline Requirements, see their website here <sup>[1]</sup> for guideline details;
- Can be obtained through the JCS portal <sup>[2]</sup>.

### **2. QuoVadis S/MIME end user certificate**

- Can be used to send digitally signed emails;
- Helps to reduce chances of users falling foul to phishing scams by giving recipients assurances that the email originated from the sender's account;
- Is installed on the end user's email client;
- Can be used to exchange encrypted emails between S/MIME users;
- Can be used to digitally sign documents, such as Microsoft Office and Open Office

documents, according to BEIS guidelines on Advanced Electronic Signatures;

- Can be obtained for schools;
- **Issue time: Once the order has been submitted, to download the certificate requires the user for whom the certificate is for, or an administrator, to follow instructions provided in two emails from the Certificate Authority, QuoVadis CA.;**
- Can be obtained through the JCS portal [2].

### **3. QuoVadis Business/Organisation SSL certificate - Organisation Validated (OV)**

- Can be used to secure Fully Qualified Domain Names (FQDNs);
- Populates the 'O' and 'OU' fields in the certificate;
- Validates the organisation is legally registered and is the owner of domain(s) being secured;
- Provides a high-level protection of 128/256 bit encryption;
- Can be used for financial transactions;
- Can be used as a Unified Communications Certificate for some Microsoft applications;
- Can be obtained for schools;
- **Issue time: up to 1 working day, average time 15 minutes;**
- Can be obtained through the JCS portal [2].

### **4. QuoVadis Wildcard certificate - Organisation Validated type**

- Can be obtained through the JCS portal [2].
- The main use for this type of certificate is to support the deployment of EZProxy servers;
- Wildcard certificates are available at the sub-domain level and at the top level of the domain (although caution must be exercised);
- Populates the 'O' and 'OU' fields in the certificate;
- Up to 9 Subject Alternative Names supported;
- Cannot be obtained for schools.

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**Source URL:** <https://community.jisc.ac.uk/library/janet-services-documentation/certificate-types>

#### **Links**

[1] <http://cabforum.org/documents.html>

[2] <https://community.jisc.ac.uk/apps/certificate-service>