



**ENTRUST**



## ECS Dedicated Public Issuing CA

A customer-branded issuing CA for publicly trusted certificates

### Overview

The Entrust Dedicated Public Issuing CA allows your organization to display your brand for all your public trust certificates. You can now easily leverage the value of your brand name at every opportunity, including during online transactions with customers who may be web-browsing, downloading signed code or sending secure emails.

### Benefits

A dedicated issuing CA improves brand representation, security posture, and performance for web site visitors.

### Brand representation:

Why promote the brand of the CA who is providing the global root of trust when you can promote and grow your valued organizational brand?

**Performance:** A dedicated issuing CA does not share the Certificate Revocation List (CRL) with other CA's; size is not impacted by certificate revocations by other customers, keeping size to a minimum and speeding certificate load performance for your end-users visiting your web site.

Figure 1 - Certificate from Shared Entrust CA






Certificate Viewer: entrust.com	
<b>General</b>	Details
Issued To	
Common Name (CN)	widgets.com
Organization (O)	Widgets, Inc
Organizational Unit (OU)	<Not Part Of Certificate>
Issued By	
Common Name (CN)	Entrust Certification Authority - L1M
Organization (O)	Entrust, Inc.
Organizational Unit (OU)	See www.entrust.net/legal-terms

Figure 2 - Certificate from Dedicated Customer CA

Certificate Viewer: entrust.com	
<b>General</b>	Details
Issued To	
Common Name (CN)	widgets.com
Organization (O)	Widgets, Inc
Organizational Unit (OU)	<Not Part Of Certificate>
Issued By	
Common Name (CN)	Widgets EV Intermediate CA
Organization (O)	Widgets, Inc



## Dedicated Public Issuing CA

	<b>Benefit: Work worry-free with a world-class CA</b> Benefit from a Dedicated Public Issuing CA to represent your brand, while leveraging our world class, globally embedded root CA's to ensure your certificates are publicly-trusted and in compliance.
	<b>Flexibility: Available for standard key types/sizes</b> TLS/SSL end-entity key sizes: RSA 2048/3072/4096. Issuing CA=RSA 2048 Code-Signing end-entity key sizes: RSA 3072/4096. Issuing CA=RSA 4096 S/MIME end-entity key sizes: RSA 2048/3072/4096. Issuing CA=RSA 2048
	<b>Feature: Available for TLS/SSL, Code-Signing, Document Signing, or S/MIME</b> Leverage a public dedicated issuing CA for more than just TLS certificates! You can have multiple dedicated CA's – one is required for each purpose - OV TLS, EV TLS, Code Signing, S/MIME, Document Signing
	<b>Feature: CRL and OCSP provided for all CA's</b> CRL and OCSP are mandatory for all public CA's, both shared and dedicated.
	<b>Feature: Seamlessly works with Entrust's Certificate Services Console</b> Once your dedicated issuing CA is provisioned, certificates of that type automatically are issued from it. Users are not required to make any decisions. The ECS console is configured to view certificates issued by dedicated CA's just as they view shared CA certificates – the only difference is the issuing CA DN!

### Ownership of CA

Entrust is the owner of the dedicated CA and Private Key, and licensing (non-transferrable) the subordinate (issuing) CA certificate to the organization. The private key is not transferable.

### Compliance

Entrust is a leader and maintains compliance with different governing bodies and regulations. Compliance issues may require changes at any time.

### Timing

As this requires additional manual setup work, a Public dedicated CA is not immediately available upon order completion and invoicing, rather, that is when the build process starts. Customers should allow up to four weeks to get a Dedicated Public Issuing CA after the order addendum is signed and returned to Entrust.



Learn more at

[entrust.com](https://www.entrust.com)



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# Dedicated Public Issuing CA

## Applicability to Specific Certificate Products

Figure 3 - Available CA & Certificate Specifications

Dedicated Public CA Standard Offering						
Cert Type	CA Count	Cert Products	CRL/OCSP	End Entity Key Type/Size	Issuing CA ^=default	Issuing CA DN
SSL	1	Standard* Standard Plus* Advantage* OV Multi-Domain* Wildcard	Mandatory	RSA 2048/3072/4096 EC-P256/P384	RSA 2048^ or RSA 3072 or RSA4096 or EC-P384	CN= {Corporate name + unique ID} O= {corporate name} C= {Country}
	1	EV Multi-Domain	Mandatory	RSA 2048/3072/4096 EC-P256/P384	RSA 2048^ or RSA 3072 or RSA4096 or EC-P384	CN= {Corporate name + unique ID} O= {corporate name} C= {Country}
	n/a	<b>exclusions:</b> Qualified Web Auth Certs Private SSL	Mandatory	RSA 2048/3072/4096 EC-P256/P384	RSA 2048^ or RSA 3072 or RSA4096 or EC-P384	CN= {Corporate name + unique ID} O= {corporate name} C= {Country}
Code Signing	1	OV Code Signing EV Code Signing	Mandatory	RSA 3072/4096	RSA 4096^	CN= {Corporate name + unique ID} O= {corporate name} C= {Country}
SMIME	1	SMIME Enterprise Org SMIME Enterprise Employee {note: Key backup not supported}	Mandatory	RSA 2048/3072/4096	RSA 4096^	CN= {Corporate name + unique ID} O= {corporate name} C= {Country}
Document Signing	1	Document Signing Individual* Document Signing Personal* Document Signing Employee* Document Signing Group Document Signing Enterprise	Mandatory	RSA 2048/3072/4096 ECC P256/P384	RSA 2048^ or RSA 3072 or RSA4096	CN= {Corporate name + unique ID} O= {corporate name} C= {Country}
		SAS Enterprise RSS Employee <b>excludes:</b> Qualified Sig/Seals		RSA 2048		

\* If this certificate type is available for your account type.

### About Entrust Corporation

Entrust keeps the world moving safely by enabling trusted experiences for identities, payments, and digital infrastructure. We offer an unmatched breadth of solutions that are critical to enabling trust for multi-cloud deployments, mobile identities, hybrid work, machine identity, electronic signatures, encryption, and more. With more than 2,800 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.



Learn more at

[entrust.com](https://www.entrust.com)



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