



**Australian Government**



**Consumer  
Data Right**

# Connection Datasheet for Data Holders

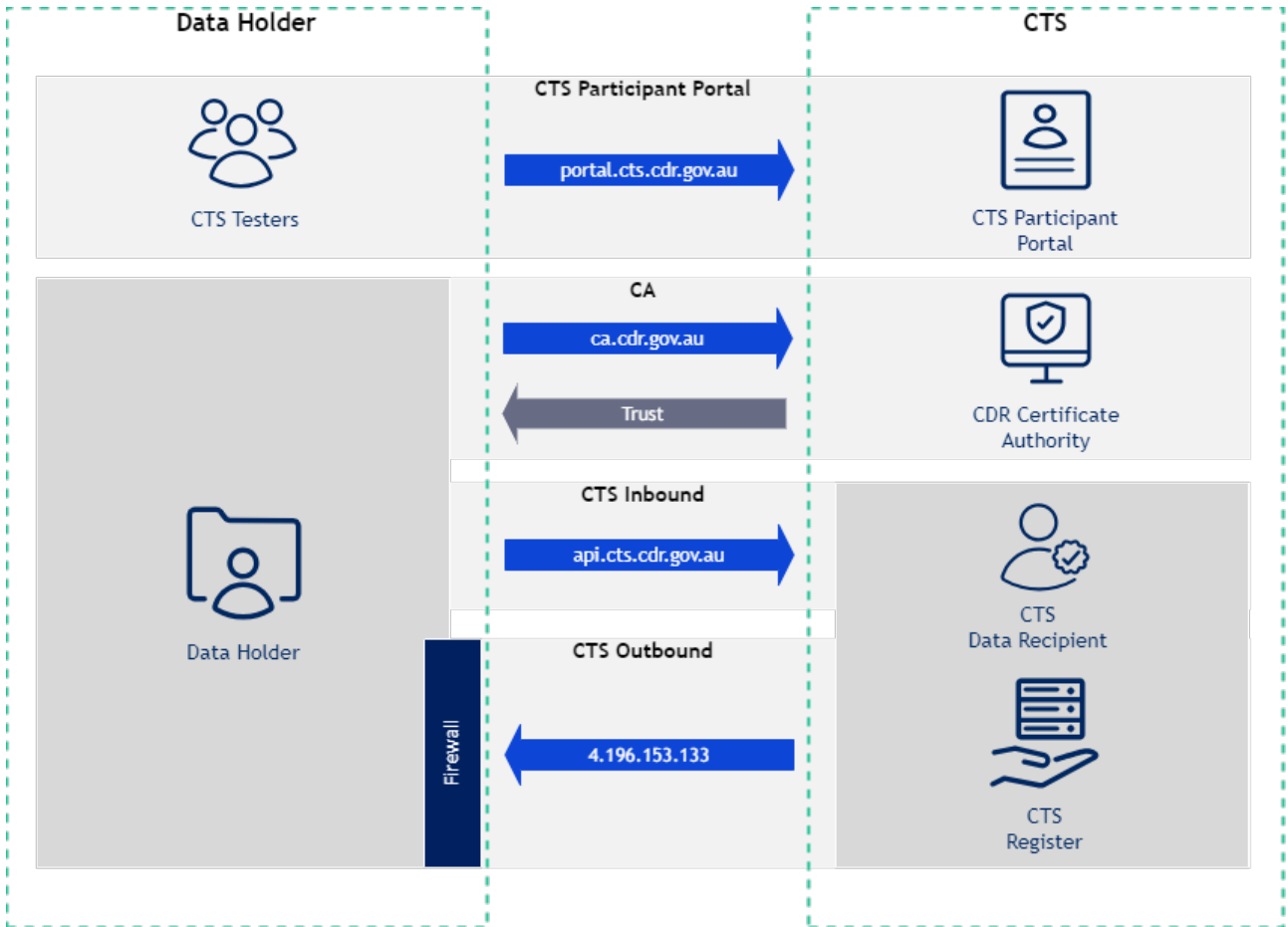
Conformance Test Suite

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# 1 CTS Network Connection Details

Data Holders (DHs) should ensure their network can receive and make calls to the CTS Data Recipient and CTS Register. Domain names and IP addresses are shown on the diagram below:



All communications initiated by CTS to the Data Holder solution will originate from the IP address 4.196.153.133

## 2 CTS Register Connection Details

A CTS Conformance ID is provided when a Data Holder Brand is enrolled into CTS. The CTS Conformance ID is a unique identifier of the Data Holder Brand whilst executing CTS.

The CTS Conformance ID must be embedded into CTS Register URLs to identify the Data Holder Brand that is performing CTS testing.

The CTS Register URLs are listed in the table below:

Register API	URL
Get Data Recipients	<code>https://api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/{industry}/data-recipients</code>
Get Data Recipients Status	<code>https://api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/{industry}/data-recipients/status</code>
Get Software Product Status	<code>https://api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/{industry}/data-recipients/brands/software-products/status</code>
Get SSA JWKS	<code>https://api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/jwks</code>

### 3 CTS Data Recipient Connection Details

Endpoint details of the CTS Data Recipient are provided to the Data Holder during Dynamic Client Registration. Like the CTS Register, the CTS Data Recipient is accessed via the `api.cts.cdr.gov.au` domain with the CTS Conformance ID embedded within any URL Paths, for e.g. the CTS Data Recipient's JWKS endpoint is available at: `https://api.cts.cdr.gov.au/cts/{conformanceId}/dr/jwks`.

## 4 CTS Certificate Authority

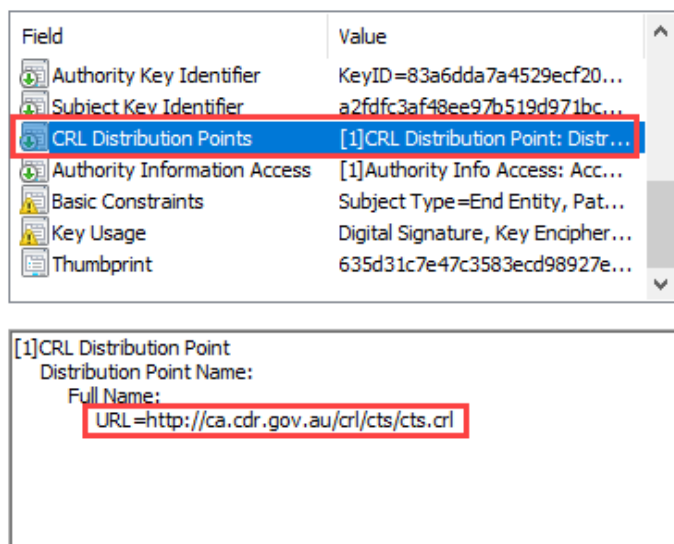
The CDR Certificate Authority (CA) issues all certificates used for mTLS interactions within the CTS environment. Data Holders should trust client certificates that are issued by the CDR CA.

To establish this trust, the root and intermediate certificates for the CDR CA can be obtained via the links below:

Certificate	Location
Root	<a href="https://ca.cdr.gov.au/certificates/ca/ca-root-cts.cer">https://ca.cdr.gov.au/certificates/ca/ca-root-cts.cer</a>
Intermediate	<a href="https://ca.cdr.gov.au/certificates/ca/ca-int-cts.cer">https://ca.cdr.gov.au/certificates/ca/ca-int-cts.cer</a>
Bundle	<a href="https://ca.cdr.gov.au/certificates/ca/ca-bundle-cts.cer">https://ca.cdr.gov.au/certificates/ca/ca-bundle-cts.cer</a>

Data Holders must perform status checks of client certificates received from Data Recipients in mTLS communications. There are two options available for status checking: 1) Certificate Revocation List (CRL) or 2) Online Certificate Status Protocol (OCSP).

The CRL location can be found within the **CRL Distribution Points (CDP)** extension within the client certificate:



The OCSP responder location can be found within the **Authority Information Access (AIA)** extension within the client certificate:

Field	Value
Authority Key Identifier	KeyID=83a6dda7a4529ecf20...
Subject Key Identifier	a2dfdc3af48ee97b519d971bc...
CRL Distribution Points	[1]CRL Distribution Point: Distr...
Authority Information Access	[1]Authority Info Access: Acc...
Basic Constraints	Subject Type=End Entity, Pat...
Key Usage	Digital Signature, Key Encipher...
Thumbprint	635d31c7e47c3583ecd98927e...

[1]Authority Info Access  
Access Method=On-line Certificate Status Protocol  
(1.3.6.1.5.5.7.48.1)  
Alternative Name:  
URL=<http://ca.cdr.gov.au/ocsp>

## 5 CTS Participant Portal

CTS has a dedicated Participant Portal where authorised\* Data Holder users can log in to view and execute the CTS test scenarios.

The CTS Participant Portal is available at: <https://portal.cts.cdr.gov.au>.

\*To log in to the CTS Participant Portal, users will need a valid account on the CDR Participant Portal (<https://portal.cdr.gov.au>) and be granted the CTS Tester role.



## 6 Rate limit thresholds for CTS endpoints

Data Holders must react to Data Recipient and associated Software Product status changes occurring on the CDR Register. <https://consumerdatastandardsaustralia.github.io/standards/#metadata-cache-management> recommend a caching period of 2-5 minutes.

ACCC has introduced a rate limit threshold of 3 requests per minute from a single client IP address per CTS Register polling endpoint for participants polling to the below endpoints:

- <https://api.cts.cdr.gov.au/cts/{conformancelid}/register/cdr-register/v1/{industry}/data-recipients/status>
- <https://api.cts.cdr.gov.au/cts/{conformancelid}/register/cdr-register/v1/{industry}/data-recipients>
- <https://api.cts.cdr.gov.au/cts/{conformancelid}/register/cdr-register/v1/{industry}/data-recipients/brands/software-products/status>
- <https://api.cts.cdr.gov.au/cts/{conformancelid}/register/cdr-register/v1/{industry}/data-holders/status>