



**Australian Government**



**Consumer  
Data Right**

# Connection Datasheet for Data Recipients

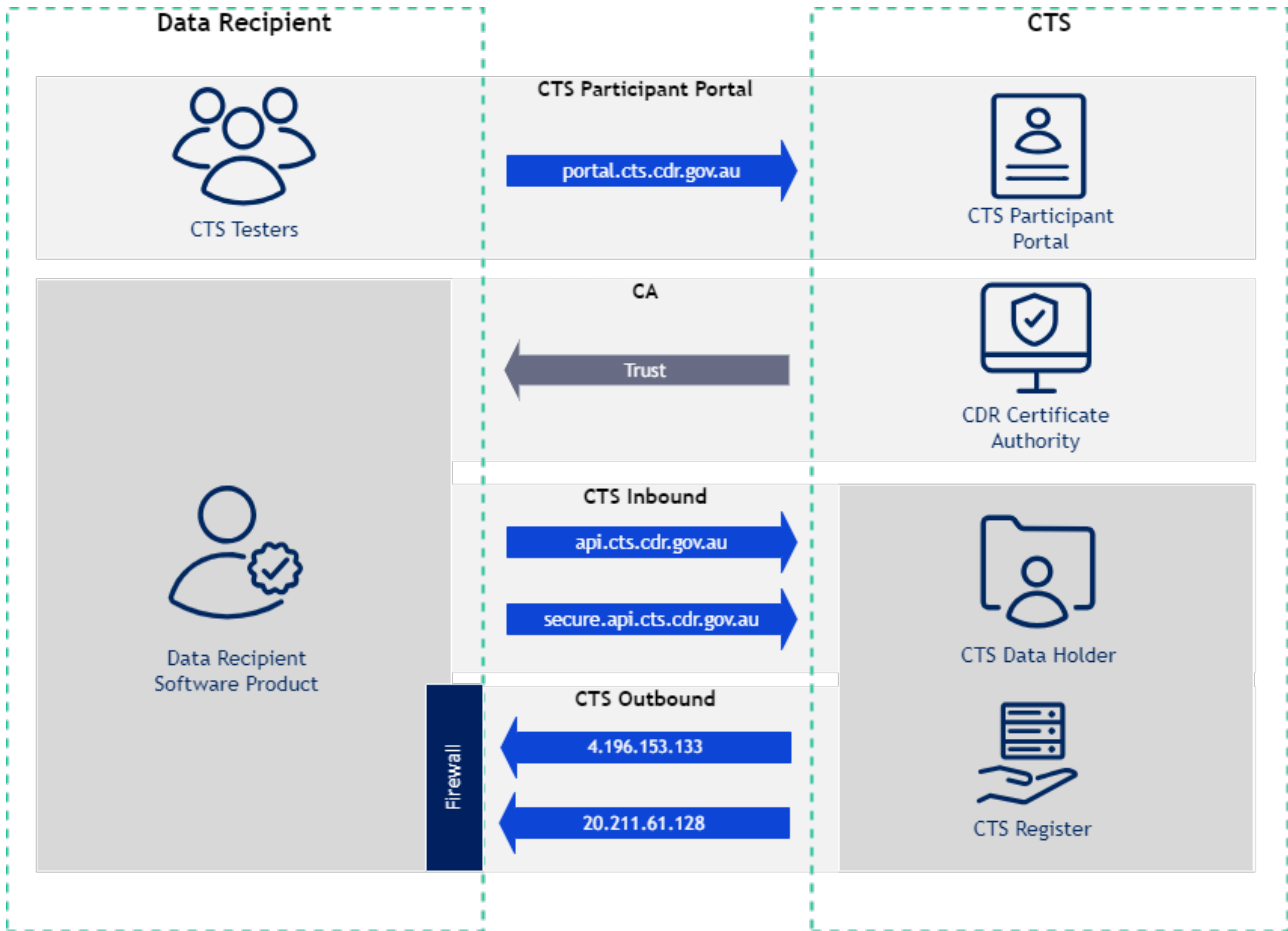
Conformance Test Suite

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# 1 CTS Network Connection Details

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



## 1.1 CTS Outbound

All communications initiated by CTS to the Data Recipient solution will originate from any one of the following IP addresses:

- 4.196.153.133
- 20.211.61.128

## 2 CTS Register Connection Details

A CTS Conformance ID is provided when a Data Recipient is enrolled into CTS. The CTS Conformance ID is a unique identifier of the Data Recipient Software Product whilst executing CTS.

The CTS Conformance ID must be embedded into CTS Register URLs to identify the Data Recipient Software Product that is performing CTS testing.

The CTS Register URLs are listed in the table below:

Register API	URL
Get OpenID Discovery Document	<code>https://api.cts.cdr.gov.au/cts/{conformanceId}/register/idp/.well-known/openid-configuration</code>
Get Token	<code>https://secure.api.cts.cdr.gov.au/cts/{conformanceId}/register/idp/connect/token</code>
Get Data Holder Brands	<code>https://secure.api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/{industry}/data-holders/brands</code>
Get SSA	<code>https://secure.api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/{industry}/data-recipients/brands/{dataRecipientBrandId}/software-products/{softwareProductId}/ssa</code>
Get Data Holder Status	<code>https://api.cts.cdr.gov.au/cts/{conformanceId}/register/cdr-register/v1/{industry}/data-holders/status</code>

### 3 CTS Data Holder Connection Details

Endpoint details of the CTS Data Holder are obtained by the Data Recipient Software Product by retrieving metadata from the CTS Register's Get Data Holder Brands endpoint. Like the CTS Register, the CTS Data Holder is accessed via the `api.cts.cdr.gov.au` or `secure.api.cts.cdr.gov.au` domains with the CTS Conformance ID embedded within any URL Paths, for e.g. the CTS Data Holder's Open ID Discovery Document is available at: `https://api.cts.cdr.gov.au/cts/{conformanceId}/dh/.well-known/openid-configuration`.

## 4 CTS Certificate Authority

The CDR Certificate Authority (CA) issues all certificates used for mTLS interactions within the CTS environment. Data Recipients should trust server certificates that are issued by the CDR CA. The CTS Data Holder and CTS Register use a CDR CA issued server certificate for endpoints hosted on the `secure.api.cts.cdr.gov.au` domain.

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

<b>Certificate</b>	<b>Location</b>
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>

## 5 CTS Participant Portal

CTS has a dedicated Participant Portal where authorised\* Data Recipient 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 Recipients may poll the CDR Register to retrieve the latest participant data. <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>