



# Key Information for Students handout Technical Information

This handout provides an overview of the technical information that you will need to be aware of to publish the KIS on your qualification pages.

## What is the Key Information for Students?

The Key Information for Students (KIS) data provides information about studying a qualification with a specific tertiary education organisation, as well as national information about the outcomes of studying in the particular subject area.

The example on this page shows how the Key Information for Students could look on a web page.

## What will you do?

- › design the Key Information for Students for your website following the KIS Style Guide
- › apply the agreed design to your qualification pages – level 5 and above
- › connect to our KIS Data Service
- › publish the Key Information for Students on the qualification pages on your website.

## What will you need?

We will provide you with information to connect to the KIS Data Service. You can also request access to a Sandbox environment. This will allow you to test connecting to the service prior to implementation and to connect to your test environment.

We will provide you with the documentation to undertake this work including:

- › KIS Data Service Guide which gives an overview of the data service, the Sandbox environment and example code to use if you choose.

- › Implementation Plan which includes the KIS Specification and Style Guide.
- › Quick Reference Guide (QRG).

## Web page layout example

KEY INFORMATION FOR STUDENTS <small>New Zealand Government</small>		
<b>Diploma in Information and Communications Technology</b>		
<b>Entry Requirements</b>		
Minimum requirements	NCEA or other evidence of literacy numeracy and ability to study at the appropriate level.	
Detailed requirements	<a href="#">More information about entry to this qualification</a>	
<b>Duration</b>	2 years	
<b>Tuition Fees</b>		
	Annual	Total Qualification
Student fees	\$9,900	\$19,800
Government tuition subsidy	\$12,028	\$24,056
<b>Total</b>	<b>\$21,928</b>	<b>\$43,856</b>
<b>Compulsory Student Services Fee</b>		
Student loan information	<a href="#">StudyLink</a>	
<b>Student Success</b>		
Successful course completions	73%	
<b>National Graduate Outcomes (3 years after completion)</b>		
Median earnings	\$34,600	
Earnings range	\$29,500 - \$42,750	
In employment	52%	
In further study	37%	
On a benefit	2%	
<small>Note: all information is the most recent available relating to domestic students only. <a href="#">Click here for more information about the Key Information Set.</a></small>		

## The KIS Data Service

We have developed an aggregated data service for you to query and retrieve the data needed to populate the Key Information for Students. The KIS Data Service collates data provided by tertiary education organisations and the Ministry of Education.

The KIS Data Service uses OData protocol which allows you to query the KIS Data Service and retrieve the data for the KIS using the URL. The KIS data is presented as a complete package and will be refreshed by us. The refreshed data will be available to you daily or every Tuesday after 11pm depending on the data. You can choose to connect the KIS Data Service to your website using the option that best fits your website.

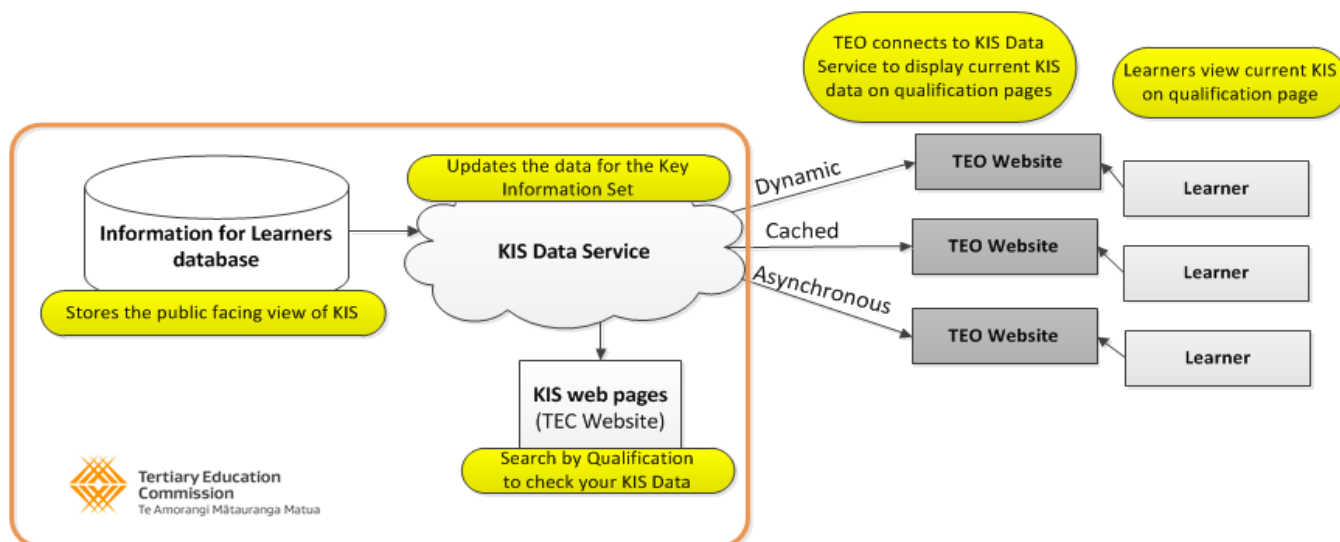
The three options, shown in the diagram below, are:

- > **Dynamic** – the KIS data on a TEO’s website is refreshed each time a learner visits the qualification page.
- > **Cached** – the KIS data on the TEO’s website is saved after initial download and refreshed at regular intervals determined by their website.
- > **Asynchronous** – the TEO schedules when KIS data is refreshed on their website using their scheduling capability.

You can find more detailed information about the capabilities of OData on the [OData website](#).

## The KIS Data Service Sandbox

The Sandbox environment contains test data (it is not connected to the TEC Data Warehouse). It is not load balanced or replicated. It has been set up to allow you to test your connection and to connect your test environment to.



## The TEC has completed performance and penetration testing

We completed the performance testing on the expected peak load of 10 TEO qualification KIS requests per second, Internal site Search function through EPIServer, qualification KIS request expected peak load while running a Query Key Information data request and testing expected peak load with only one active web and one active DB server.

The application penetration testing was undertaken by Aura Information Security (Kordia NZ) and analysed the different ways in which a malicious attacker could exploit the application in question or compromise access control mechanisms. The technical assessment of the infrastructure (from the perspective of an unauthorised network based attack) was completed using a range of IT security tests. It also looked at network penetration following the Open Source Security Testing Methodology Manual v3 (OSSTMM).

Note: These tests were completed against the full data service, not the Sandbox environment.

## Next steps

We'll be in touch to let you know when you are scheduled to start work on deploying the Key Information for Students, and to provide more information about the deployment process.

## More information

In the meantime for more information about the Key Information for Students, visit our [website](#) or contact the TEC Sector Helpdesk on 0800 601 301.



We ensure New Zealand's future success.