



What are Q-Pulse Web Service APIs?

Common Questions

- **Which modules are accessible through the Q-Pulse Web Service APIs?**

Version 2 supports only the Document, Audit, CA/PA, Occurrence and Incident modules at this time.

- **What authentication options are available?**

Q-Pulse API's use token-based authentication. These tokens are retrieved at runtime from the Authentication Web service which supports both the built in Q-Pulse credentials and Windows identities that have previously been associated with Q-Pulse accounts.

- **What security options are available?**

All security settings applied to a user in Q-Pulse will be respected through the Service APIs so if a user is not permitted to raise an Occurrence Report within the product, they will receive an error while trying to do so via the service API.

- **What Q-Pulse fields are exposed?**

All Q-Pulse fields within supported modules are exposed to the API including all user created Occurrence fields.

What functionality can a user perform?

Read and limited create of all relevant modules.

- **How are errors handled?**

Errors are returned in the form of standard "Service Fault" XML Messages that contain an error code that your application can then handle. (See Developer Guide for more information)

- **What type of response is provided from API calls?**

All calls return XML or JSON as their response depending on the Endpoint configuration used. Each call will return either the requested information or a result in XML or JSON format. In the case of errors within the services you will still receive an "HTTP 200 OK" message, but the message will conform to a Fault Contract (See Developer Guide for more information)

- **Does a standard schema (WSDL) exist for Q-Pulse data?**

Yes, a standard schema exists for Q-Pulse business entities and is also utilized for data import services (see Data Import Service offering)

Issues and Limitations

- It will be difficult to replicate the layout of design forms within the Occurrence module due to the proprietary format utilised however all field definition and data is accessible to create your own forms.
- Records cannot be edited via the Service API once committed. The Service API supports only Creation and Read operations at this time