



## XML Server Data Sheet

CELCAT® *Timetabler* XML Server is an application that provides a universal, system independent and programming language independent, web-enabled interface to *Timetabler* data. It allows 3rd-party software developers to construct import/export and data synchronisation routines with little or no knowledge of the inner workings of *Timetabler*, and without extensive assistance from CELCAT.

### Features

- Deployed as a system service on the internet/intranet serving XML documents in response to XML requests.
- Uses standard HTTP/HTTPS internet protocols (supports secure certificates).
- Easy to use, XML or SOAP interface.
- Allows for many simultaneous connections from more than one application or web service.
- Royalty-free redistribution.
- Comprehensive documentation of all methods.
- Data packaging automatically manages large datasets.

### Functions

- General access related functions allow you to find out the CELCAT *Timetabler* server that is being used by the interface, enumerate available timetables, verify user credentials, etc.
- Low-level interface functions allow access to the *Timetabler* database using SQL. 3rd party programmers can execute any SQL query or command against the *Timetabler's* database
- High-level interface functions provide you with a set of predefined functions that return processed data without the need to construct complicated SQL queries.

### Benefits

- Facilitates bespoke reporting.
- Provides a mechanism for data exchange between *Timetabler* and other applications.
- Encourages in-house expertise and integration of systems.



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