

# ONELAN Digital Signage

## The DCE Framework

ONELAN's Data Collection Engine (DCE) Framework enables organisations of all sizes to unlock the value of previously inaccessible data. Information held in spreadsheets, databases and business systems can now be easily repurposed for use on Digital Signage, web pages and other rich graphical displays.

*Your business information, presented where you need it.*



# The DCE Framework

The DCE framework enables data from previously disparate and inaccessible systems to be retrieved by using any number of the available Business Connector plug-ins. Each Business Connector enables access to a particular business system or information source, managing the entire connection process without any user involvement.

Once installed, each Business Connectors data can be formatted and displayed on your Digital Signage, or repurposed for display on other web enabled devices.



## Easier access to your data

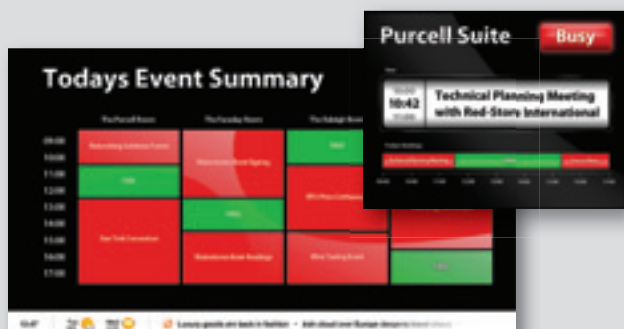
Each Business Connector links an individual information source - whether it's an enterprise business system or a simple text file - with the DCE Framework. The Business Connector manages the link transparently to the user, presenting the data as a rich, dynamic chart or graph on their Digital Signage.

A single installation of the DCE framework can host multiple Business Connectors as required, providing a single location for Business Connector management and enabling a simpler backup and restore strategy.

## Data manipulation for business processing

Many data sources produce raw or unprocessed data that cannot be displayed on Digital Signage. The DCE framework takes raw data from any of its plugged-in Business Connectors and provides filtering, calculation, grouping and ordering of the raw data. This produces results in a common format that can be used by the Standard Templates on Digital Signage, or repurposed for display on other web enabled devices.

## Example application



Room or resource availability and multiple resource summary using the Microsoft Exchange Business Connector

## Repurpose more data

Data delivered via the Business Connectors is converted into a single common format inside the DCE framework, and so can be repurposed for display on digital signage and web pages.

For example, while normally rendered as HTML for use on ONELAN Digital Signage, the same HTML graph or chart can also be made available on an organisations Intranet or public Internet site. This produces the same data, displayed and updated in the same way across Digital Signage, Internet and Intranet.

Alternatively, raw data that is processed into a table for Digital Signage can be repurposed for display on the web, making previously inaccessible data available to home users using any modern web browsers. The possibilities range from the simple to the complex, but the DCE framework enables previously inaccessible data to be published across multiple IT platforms simultaneously, as well as Digital Signage

## Unify your visual brand

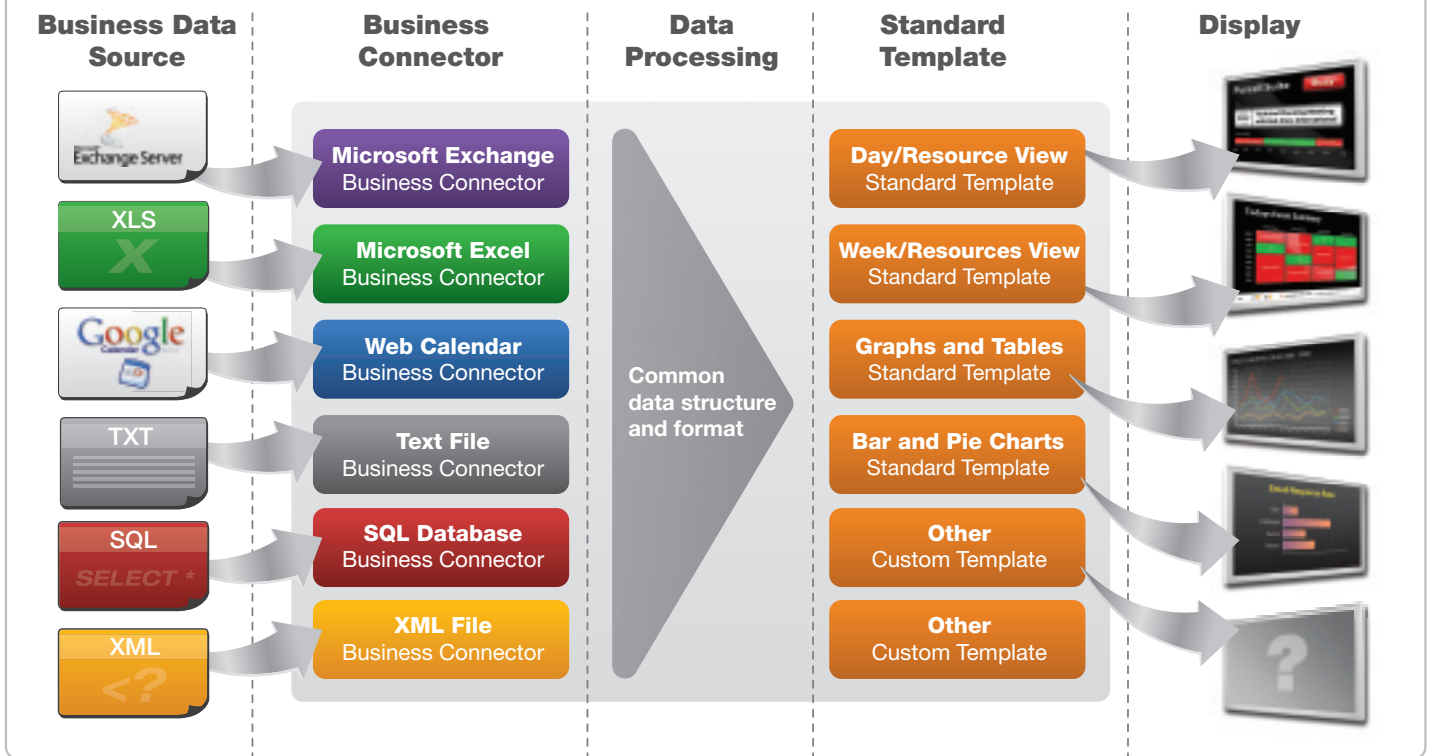
Standard Templates provide a flexible way to produce consistent, reliable and highly graphical displays of information, regardless of where the data originated.

By taking in the common format used inside the DCE framework, the same Standard Templates can be used multiple times, but each with a different data source. This allows for example Excel, Exchange and Text to be used for calendaring within an organisation, but with a unified and consistent presentation style across the Digital Signage Network.

A wide variety of Standard Templates are provided enabling graphs, tables, charts and even complex diagrams to be deployed quickly and easily. Several styles and layouts are included to get you started, but with the flexibility to customise basic style elements such as colours and fonts.

And of course Custom Templates enable you to promote your existing brand according to your in-house style guide.

# The DCE Framework – How it works



## Enterprise class reliability

The DCE framework delivers maximum availability for continuous operation and provides information access 24/7.

Designed for the Microsoft® Windows™ Operating System, the DCE framework operates at a low level, insuring all plugged-in Business Connectors run with low impact on the host hardware. While increasing reliability and security, the Windows platform also provides easier integration with many external systems, reducing the cost and development time for new Business Connectors.

Operational costs can be further reduced by repurposing existing Windows-Based IT hardware, due to the DCE framework's low hardware requirements. Both Server and Client Operating Systems are supported, making the DCE accessible to all organisations, even those on a budget

## Current Business Connectors

ONELAN's growing range of Business Connectors currently include:

- ◆ Microsoft Exchange 2003 & 2007
- ◆ Microsoft Excel 97 to 2010
- ◆ Google Calendar
- ◆ Text Files
- ◆ SQL Connector
- ◆ XML sources

New Business Connectors are added frequently so please contact ONELAN for the latest additions. ONELAN has a proven track record of integrating custom business systems such as the Moodle Course Management System, and a quote for custom integration or new Business Connectors can be made available on request.

## Key Points

- ◆ The DCE provides a framework that individual business system connectors can be plugged into.
- ◆ Data from these business systems is converted into a common format internally.
- ◆ Rich data processing tools then provide excel-like filtering, processing, grouping and analysis of data, regardless of source.
- ◆ Standard Templates take data from the wide variety of disparate sources and display it using the same graphical templates, for a unified presentation style company wide.

To find out more about the DCE Framework, please contact us on:

**+44 (0) 1491 411 400**  
or **sales@onelan.com**

## ONELAN Integration Services

The DCE framework provides a simple Windows-based interface to manage all installed Business Connectors and its advanced raw data processing capabilities. However, ONELAN Integration Services are available to help regardless of need, from creating custom diagrams and charts, helping with problematic 3rd party data sources, or perhaps just with simple style and colour changes.

Regardless of your needs, the DCE Framework's range of Plug-in Business Connectors can display your business data on your Digital Signage.

**Please contact ONELAN for a quote for consultancy or training and support.**

## The ONELAN Digital Signage Platform

The DCE framework and its Business Connectors form part of the wider ONELAN Digital Signage Platform. For over 10 years, ONELAN has pioneered reliability, presentation flexibility, security and remote management with its range of NTBs (Net Top Boxes) worldwide.

ONELAN continues to innovate in the market with products that increase return on investment, reduce operational cost, and provide a platform on which organisations can grow their wider communications strategy. ONELAN are creating better ways to connect systems and exchange data, enabling a more relevant viewing experience that adapts to the ever changing world of video and digital media.

## Example Applications

- ◆ Company Key Performance Indicators (KPIs)
- ◆ Room booking and resource availability
- ◆ Live currency exchange rates
- ◆ Customer waiting time targets for call centres
- ◆ Live financial, stocks and shares information.
- ◆ Showing real time electricity and utility usage
- ◆ Live display of stock and inventory levels
- ◆ Live display of factory production performance



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