

Visual Search technical summary

Introduction

Intetek Visual Search enables users to rapidly explore important data using a flexible, dynamic visual map, quickly exposing important connections, context and patterns.

Visual Search is designed to be deployed to a wide range of users with minimal training and support. VS users include intelligence staff, knowledge workers, call centre operatives, fraud investigators and customer account managers.

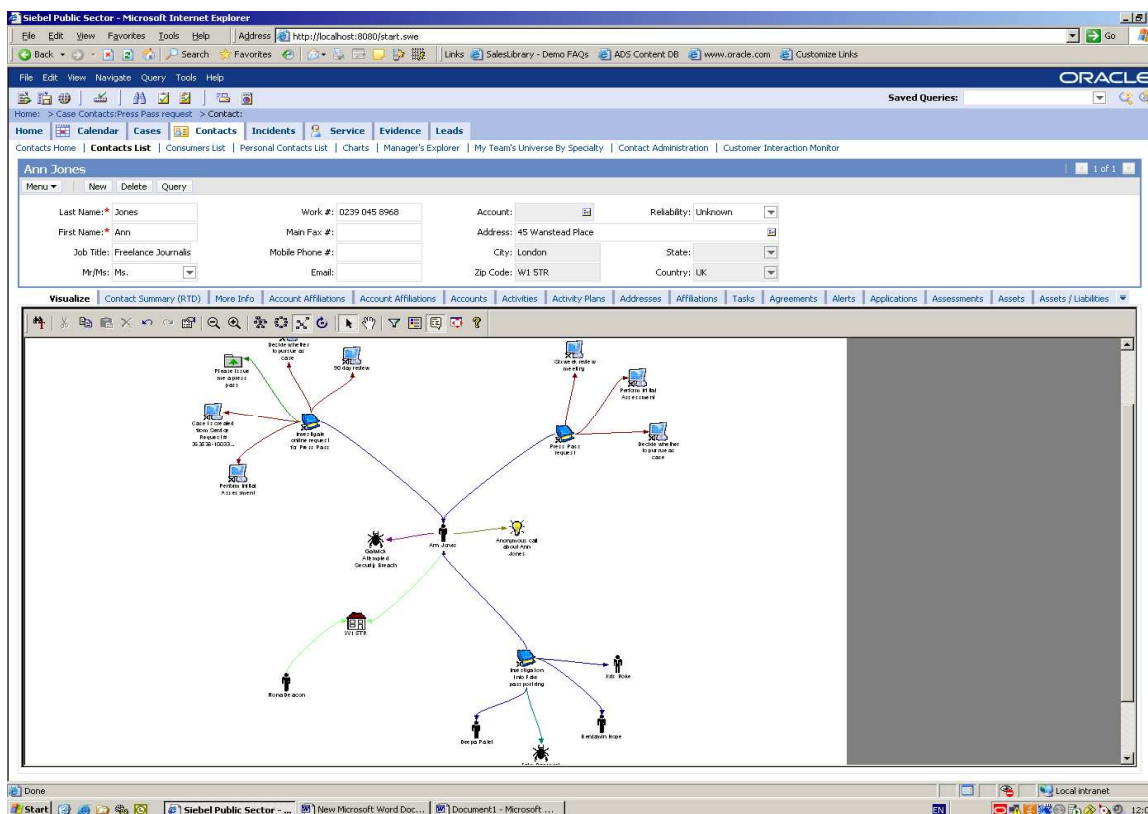
Deployment options

Intetek Visual Search provides two client deployment options:

Intetek Visual Search Control is a Microsoft Windows 32 bit ActiveX control that can be dropped into your web page or application. It provides:

- Scriptable automation interface
- Events for standard operations, enabling the control to communicate with its container application.
- Properties that allow full customization of the appearance and behaviour of the control
- Integration with Intetek Visual Search Desktop via the clipboard

Visual Search Control embedded within Siebel

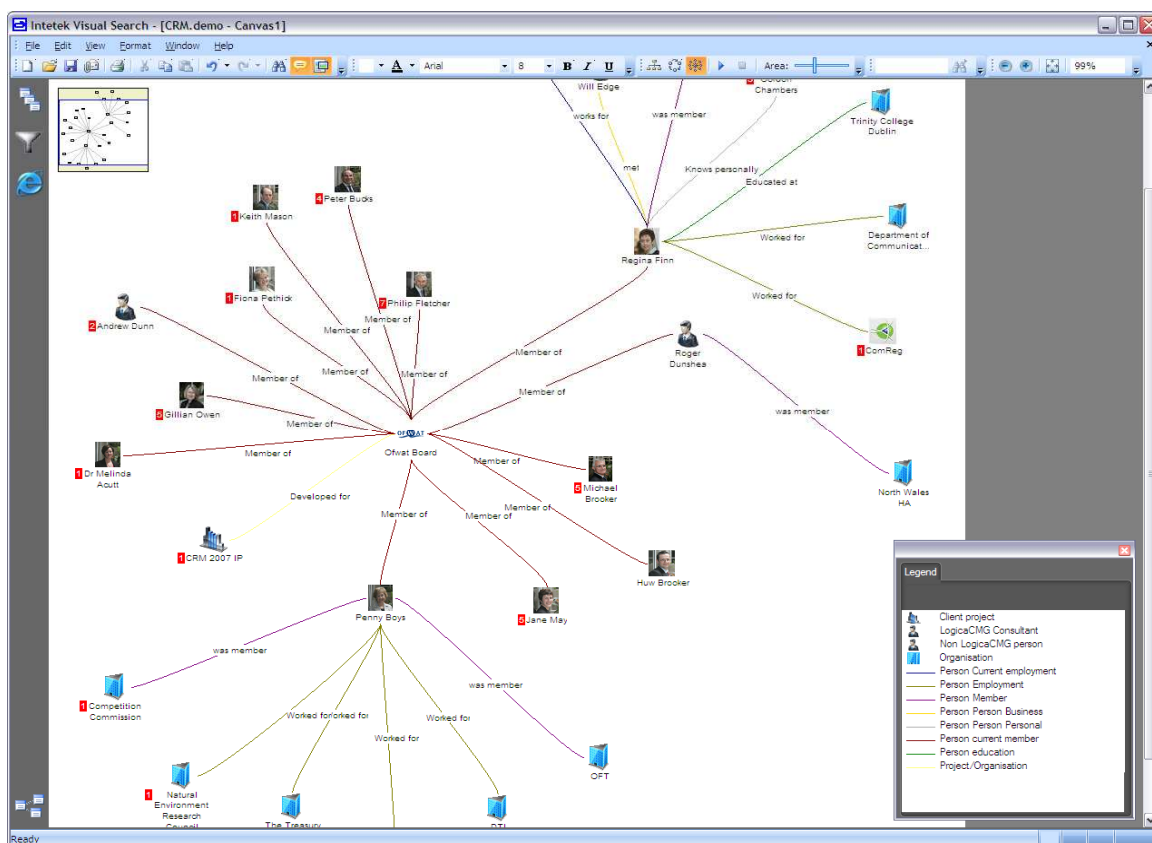


The screenshot displays the Siebel CRM interface within a Microsoft Internet Explorer browser window. The top navigation bar includes 'Home', 'Calendar', 'Cases', 'Contacts', 'Incidents', 'Service', 'Evidence', and 'Leads'. The main content area shows a contact record for 'Ann Jones' with fields for Last Name, First Name, Work #, Main Fax #, Mobile Phone #, My/His, Account, Reliability, Address, City, State, Zip Code, and Country. Below the contact record, a 'Visualize' button is visible. The central part of the screen is dominated by a complex network diagram with various nodes and connecting lines, representing the visual search results for the contact. The bottom status bar shows the system tray with the time 12:06 and the text 'Local Intranet'.

Intetek Visual Search Desktop is a Microsoft Windows 32 bit application. It provides the same visualisation functionality as the control and in addition provides functionality to facilitate collaboration such as saving, mailing and

exporting visualisations. Visual Search files can be viewed by anybody with a copy of the desktop application even if they do not have a connection to the underlying data source.

Visual Search Desktop Application



Integrating Visual Search

To integrate Visual Search you need to provide an adaptor that translates your data to a format that can be interpreted by the visualisation mechanism.

The Visual Search Control and Desktop application communicate with the underlying data via a web service. The web service acts as an adaptor between the Visual Search clients and the underlying data source. Using the flexible

Intetek RDF/XML schema you can control how your information will be presented to the end user.

The adaptor is a standard SOAP web service running over HTTP or HTTPS.

The purpose of the adaptor is to:

- Authenticate the user and establish a session.
- Define the type model.



- Return the visualisation data on demand.

The type model defines what types of entity and relationships will appear in the visualisation. It acts as the template for all visualisation data that is generated from the data source.

The format of the type model is an Intetek RDF/XML document. Typically a type model will contain one or more Object Types and Relationship Types (these are analogous to tables and joins respectively in a conventional relational database).

Any number of properties can be defined and associated with the Object and Relationship types. Images can be associated with each Object Type.

The Visual Search clients request visualisation data from the adaptor when the user performs certain operations, such as a name search, or

expanding an object (i.e. displaying all related objects). In response the adaptor should make a call to the underlying data source to retrieve the data and return it as Intetek RDF/XML.

Deployment Architecture

Because Visual Search uses standard cross platform technologies such as SOAP, HTTP and RDF/XML it can be easily integrated into any n-tier architecture.

The diagram on the next page shows the flow of information between the Visual Search clients and a third party server.

Further information

To obtain further technical information about Intetek Visual Search and how it can enhance your solution please visit our website at www.intetek.com, email info@intetek.com or call us on +44 (0)870 77 44 270

This diagram shows the flow of information between the Visual Search clients and a third party server.

