

# E i r e 3



GUARANTEED

Reliable data transfer, replication, routing

## EIRE DEFINITION

Eire is the system for secure and reliable guaranteed data delivery and distribution over unreliable connections with support of replication, scalability, authorisation and prioritisation of the data streams.

## EIRE AT WORK

Eire is designed to deliver data via unreliable and unstable communications links. Eire guarantees automated data exchange between multiple end-points in secure and efficient manner, using data encryption and user validation. It also provides an efficient interface of managing the data routing and status control.

Eire can be used for delivering data via satellite links to different data centres or offices without need to re-send data or reconfiguring applications on the remote site.

can drop any time. Eire will take care of this, keeping all data and resuming data exchange as soon as the connection is restored, so no data is lost and the applications continue to work even during a disconnect.

## WHY EIRE?

Eire is all about change. It changes the way data is delivered across the networks, simplifying the software and cutting development time for network-oriented applications.

You can control data flow for all sites and offices on a single web page.

is scalable and grows with your needs, not behind them.



You can create a sophisticated data networks without complex planning and design. It is all like driving using road signs and GPS.

Clear user interface shows you how your remote clients are working and if they have any problems. You can see what data they are sending and what kind of data they may have problems with.

Eire delivers data in a secure way, so no one can tamper with it or read it, except the recipient of data.

Password protection uniquely identifies all senders and receivers, and additionally compressed and encrypted all the way from one client to another.

Eire can synchronise files and folders out of the box. It can work with variety of sensors working via TCP ports directly or COM ports using converters.

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## WHAT IS...

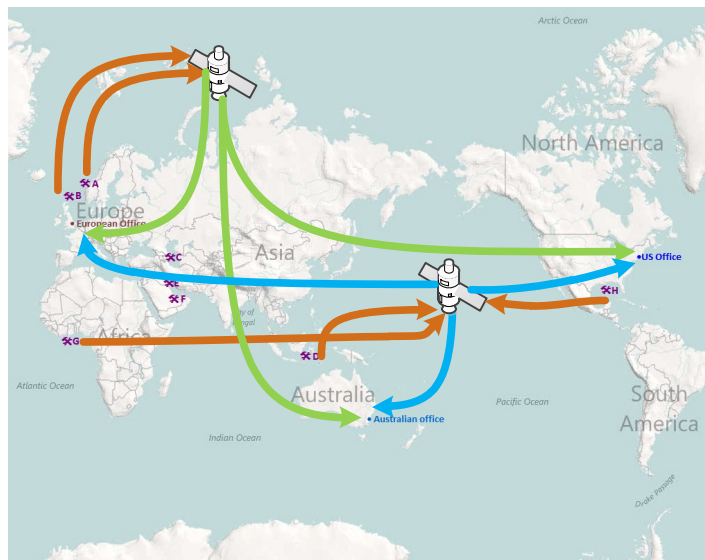
**Guaranteed delivery** means that no data is lost during transmission, regardless quality of the communications.

**Secure and efficient data exchange** is achieved via data compression and encryption, so only you can see your data, and no one else.

**Replication** automatically synchronises files and folders between different sites and offices, constantly, on schedule or on request.

**Prioritisation** helps send more sensitive information (like safety alerts) with higher priority, and other data with normal or even lower priority (when no regular data available).

**Data routing** allows creating complex data networks using simple web-based user interface of Eire.



An illustration shows a sample data network for the oil company with 3 data processing offices and a few sites across the globe, connected via satellite links.

As satellite communications are unstable, the connection

You can manage the way data is distributed in a few clicks on the Eire web site.

Eire helps you to focus on working with data flow, not supporting one. Do not worry if your data flow is growing—Eire

## SERVICE OR PRODUCT?

Eire's power can be unleashed in a form of a fully managed hosted service or a self-deployed product. All possible solutions are described in the table below.

The hosted solution gives you the best TOC, and is suitable for shorter projects or for companies with no advanced IT infrastructure.

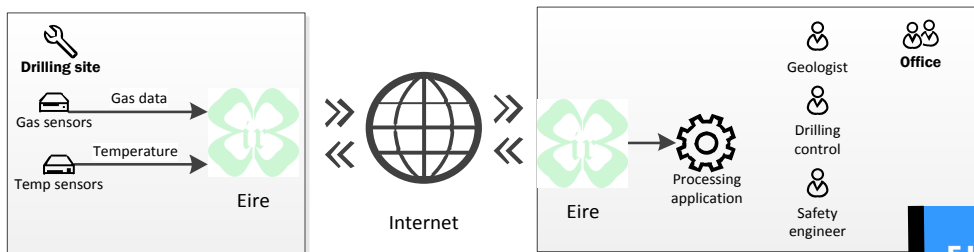
Self-deployed solutions are suitable for projects with large number of users and heavy traffic within large organisations with dedicated

IT team.

Third-party installations are usually a part of the bigger solution, and can be hosted internally as well.

	Solution type		
	Hosted	Self-deployed	Third-party serviced
<b>Main features</b>	<ul style="list-style-type: none"> <li>No server setup required.</li> <li>Can start working in 15 minutes.</li> <li>Server infrastructure is supported by Eloquera.</li> <li>Low monthly fees depending on traffic or the unlimited plan.</li> </ul>	<ul style="list-style-type: none"> <li>No monthly payments, one off purchase.</li> <li>Server infrastructure is supported by your company's IT department.</li> <li>Can be used over private networks, without Internet access.</li> </ul>	<ul style="list-style-type: none"> <li>No server setup required.</li> <li>Server infrastructure is supported by third party.</li> <li>Low monthly fees depending on traffic or the unlimited plan.</li> </ul>
<b>Requirements to use Eire</b>	<ul style="list-style-type: none"> <li>Create an account</li> </ul>	<ul style="list-style-type: none"> <li>Install Eire 3 (Windows server required).</li> <li>Fill-in required settings.</li> </ul>	<ul style="list-style-type: none"> <li>Create an account</li> </ul>
<b>Support</b>	Supported by Eloquera.	Supported by you (paid support from Eloquera is available).	Supported by third party.
<b>Frequency and inclusions of payment</b>	Monthly, includes management of servers and support.	Once off, a license for a single project. Support can be purchased separately.	Depends on third party agreement. No direct support from Eloquera is included.
<b>Pricing</b>	On traffic or unlimited.	Per project	Determined by third party.

## HOW EIRE WORKS

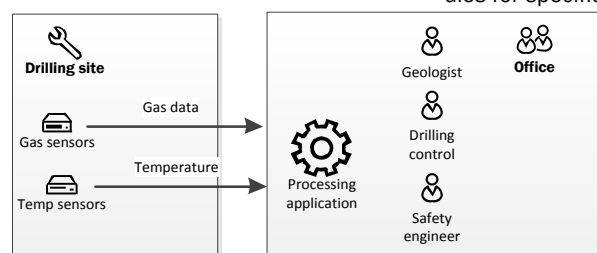


The diagram shows how the Eire-enabled applications work via the Internet, creating transparent channels between remote sites.

Eire works transparently for applications, and in majority of cases using Eire does not require any network knowledge at all.

The diagram above shows the architecture of an application collecting data from sensors, and delivering data into the office. Eire makes process of data exchange between the drilling site and the office completely transparent.

Below is an image of the real application



Eire 3 makes data transfer not a problem, but a solution.

architecture, that uses Eire for data delivery.

Using Eire leads to simple applications, takes less time and resources for development, and allows to start earlier.

Eire can be extended by adding more input modules, so it can work with any equipment or data acquisition systems.

Eloquera can provide custom input modules for specific equipment if needed.

### ELOQUERA

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Eloquera is an Australian company, with offices in Sydney, NSW (Australia) and Chicago, IL (US), established in 2007 in Sydney.

The Eloquera Database, the-state-of-the-art object database created by Eloquera, is used in many thousands of projects across the globe, in different areas of business and in governmental organisations.

Eire 3 stands for 'Eloquera Internet Replication Engine'.