iOra Geo-Replicator®

BENEFITS

DATA DELIVERY TO DISCONNECTED NETWORK
iOra replication technology has been designed to reliably deliver data over the most challenging high latency, low bandwidth networks.

COMPATIBILITY
iOra web virtualization technology means other non-Microsoft SharePoint based web and file based content can be replicated over challenging networks

SCALABILITY
iOra supports tens of thousands of users and terabytes of replicated content.

CONSISTENT COLLABORATION
Consistent enterprise-wide information management is enforced by ensuring that all users, irrespective of location, have access to the same information and data.

iOra is the leading global provider of the portal and file based compression and replication technology for organizations that need to operate in the most demanding environments. Our technology enables an intelligent and transparent data exchange that is consistent and guaranteed, irrespective of location or network connection. Trusted by Governments, corporates, military and global organizations, our technology has been selected for its proven capabilities in hostile and remote environments. iOra products replicate data between installed Microsoft SharePoint servers, or by creating virtualized servers or web applications for mobile users - thus enable guaranteed access to up-to-date operational critical information. Successfully deployed on tens of thousands of machines by customers delivering in some cases data over networks with speeds as low as 1kbps.

iOra Technologies

iOra Epsilon® is the iOra unique compression engine that is the core component of all iOra replication configurations. The world leading cross file compression technology ensures that data replication over the network is highly efficient by extracting previously sent data through low level byte level pattern analysis. This replication method ensures that repetitive patterns of data are never sent over the network leading to dramatic levels of network optimization.

iOra Geo-Replicator® is a replication platform that provides the tools for defining the scope of what is replicated as well as managing secure, efficient, automated and transparent data updates. In addition, **Geo-Replicator®** provides a diagnostic user interface to support the operational deployment iOra technology. Geo-Replicator® maintains a graphical indication of the operational health of all deployed replication – both local and remote. When Geo-Replicator® detects a warning or network error, the tool can be used to drill down to more detailed diagnostic information.

iOra Geo-Replicator® - Data Replication Technology

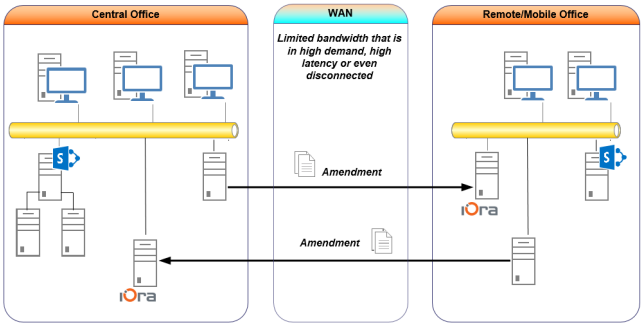
iOra Geo-Replicator® provides guaranteed access to up-to-date business information, irrespective of connectivity and location. This results in reduced costs and improved productivity across the organisation. iOra Geo-Replicator® software uniquely provides multiple modes of replication within the same product:

- **Server-to-Server** - Replication of Microsoft SharePoint® (2013, 2016 and 2019) content and structure between installed Microsoft SharePoint® on-premise installations.
- **Server-to-Virtual Server** - Replication of Microsoft SharePoint®, or other web portal content including Microsoft Office Sharepoint to remote servers for visualized access by groups of users even when offline and disconnected
- **File based replication** - the efficient replication of file stores to virtual file store replicas, using the world leading iOra Epsilon® compression technology. Transparently delivering hierarchical file stores data for remote end users who would not otherwise have access.

iOra Geo-Replicator® operational modes:

Server-to-Server

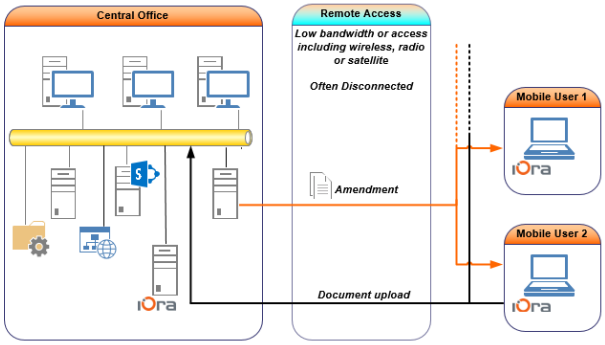
The master and replica servers check against their local content repositories on an update schedule that is dictated by the volatility of the data. Scheduled operation ensures that server peak usage can be efficiently managed and avoids potential system overflow that can occur when triggering incremental replication on each and every server update event.

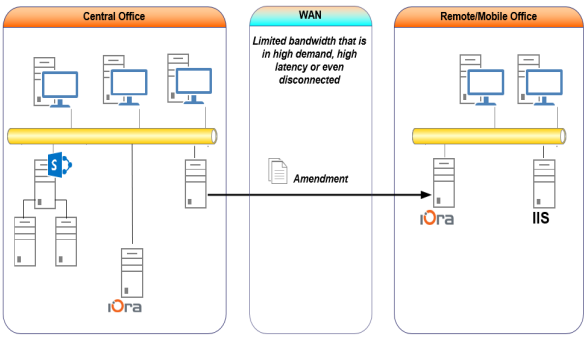


Geo-Replicator® uses the Microsoft SharePoint® platform API to read and write the structure, content and access rights changes on the master and replica. The update amendments that are passed between the master and replica server benefit from the high levels of compression that can only be achieved by the Epsilon® technology. Hence the network connection that is required to connect master and replica can be anything from 8kbps to 100Mbps. In the same regard the bandwidth used by the replication phase is dramatically reduced.

File store replication

iOra's software ensures offline mobile and field workers dependent on laptop connectivity have exactly the same experience as they would ifworking at head office. Whilst offline, local replicated file stores become available and are efficiently updated when the network allows. When online, documents amended offline can be uploaded. This capability is enabled using iOra's unique iOra Epsilon® updates to ensure that the content is fresh and up to date.





Server-to-Virtual Server

This solution is specially designed as an alternative for lightweight, read-only portals for remote offices. This solves the problem of replicating portal content to remote office environments where the installation and maintenance of a sophisticated server is impractical. iOra is deployed at the server level with the addition of a proxy server, to deliver a web application to a group of users without the requirement for installing backend infrastructure.

MORE INFORMATION

For more information on any of our products or services please visit our website

www.iora.com

SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance

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