

Cohesive

A large, white, stylized letter 'C' logo is centered on the page. It is a thick, rounded shape that forms a partial circle, with the top and bottom curves being more pronounced than the sides. The logo is positioned behind the main text.

Cohesive Data Replication

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What is Cohesive Data Replication?



What is Cohesive Data Replication?

Support your disconnected operations, provide better performance for mobile and remote users, without compromising data integrity.

Cohesive Data Replication enables organizations to distribute data from existing enterprise databases to remote offices and mobile workers. Providing corporate level quality of service where connectivity may be intermittent or unavailable.

Companies can manage their Maximo data across multiple sites, geographies and platforms through its unique, patented technology for two-way, read-write replication of databases.

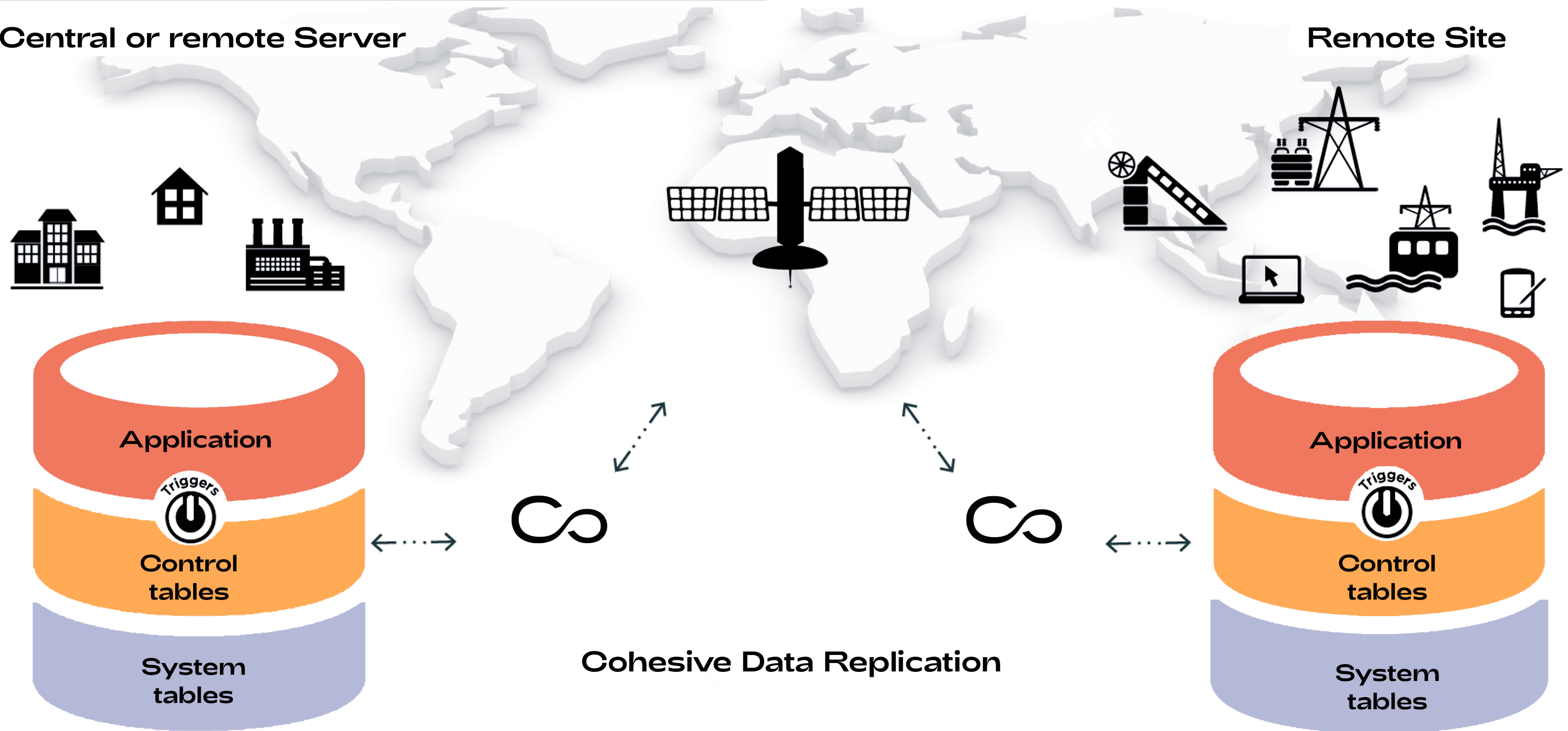
Why Cohesive Data Replication?

- Minimal bandwidth utilization
- Low maintenance
- Collision avoidance
- Session recovery
- Dynamic data slicing
- Scalability



Central or remote Server

Remote Site



Cohesive Data Replication

What is Cohesive
Data Replication?

**Connecting your
organization**

Functionality
examples

Connectivity
issues

Implementations

Connecting your organization



Connecting your organization

Site Types

Need data at your head office, a satellite location, a warehouse or even on a single user laptop? Cohesive Data Replication can provide licences and flexibility to suit your needs, sharing the full or only part of your data set.

Topologies

Hub and spoke, peer to peer, cloud and spoke - all these topologies are available with no limitation to scalability. This provides total flexibility to configure the replication network to suit your needs.

Scheduling

Our flexible scheduling options allow your sites to keep up to date seamlessly. Cohesive Data Replication can even scatter your network replication schedule to ensure that central office is not overburden. If you need an emergency session a manual initiation is available.

Sharing Data Slices

Cohesive Data Replication allows you to put the Maximo data you need at each site using its patented Dynamic Data Slicing Architecture (DDSA).

DDSA operates at multiple levels, allowing the dataset to be defined dynamically. DDSA results in a subset of data called a “workset”. The workset can be set up at the schema level and the column level. The Schema level uses table partitioning at the query level, maintaining the relationships between multiple tables. At the column level, the workset identifies specific components of a record or fragment/s. This powerful technology allows applications to provide the “need to know” data support required by applications with significant security requirements.



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Functionality examples



Cohesive Data Replication enhanced functionality examples

Collision Handling

Cohesive Data Replication provides the ability to configure how data collisions will be handled. When implemented, this versatility can provide a configuration that requires no manual intervention, freeing resource to focus on their jobs rather than data replication issues.

The integrity of your valuable data is no longer an issue when using Cohesive Data Replication as you decide what happens when a collision occurs. Unlike a traditional replication network (transactional, store-forward) Cohesive Data Replication will take the rules and handle collisions automatically.

Disaster/Session Recovery

Cohesive Data replication has an in-built recovery model that eliminates the need for an administrator to find and provide log files. By eliminating log file management, data replication allows recovery to occur even

when systems are offline for an extended time. If a system needs to operate offline for weeks, months or longer, it will reconnect to the replication network and recover its dataset automatically.

Fragments

Cohesive Data Replication will allow you to configure fragments of data instead of sending entire rows. Fragments will allow only data that is pertinent to the change being sent resulting in greatly reduced bandwidth usage and an optimal replication session.

This unique functionality was harnessed by one of our customers who reduced their replication bandwidth usage by 80%.



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Connectivity issues



Connectivity issues

Does your organization suffer from connectivity issues, slow network speeds, poor network application performance or even a combination of all three?

Cohesive Data Replication can help your organization by allowing duplicate installations of your application to be provisioned local to your affected end users; therefore providing the same speed, performance and connectivity that your head office staff achieve.

Boosting productivity, reducing waiting times and increasing overall staff satisfaction when interacting with your Maximo.



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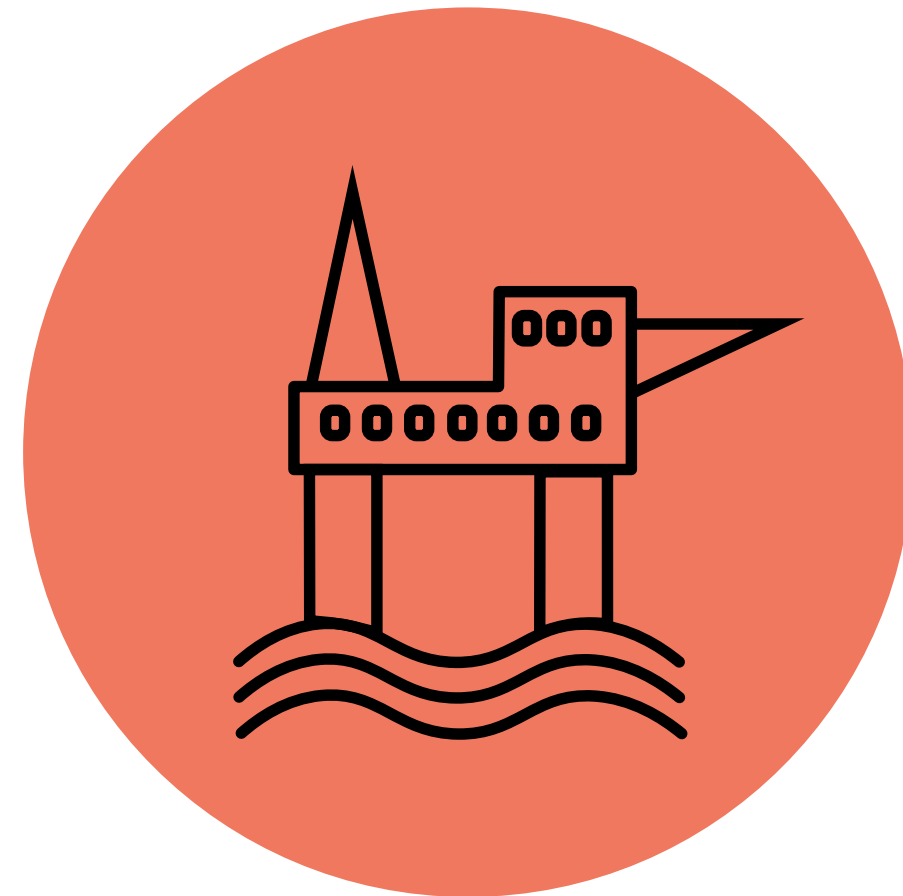
Connectivity
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Implementations

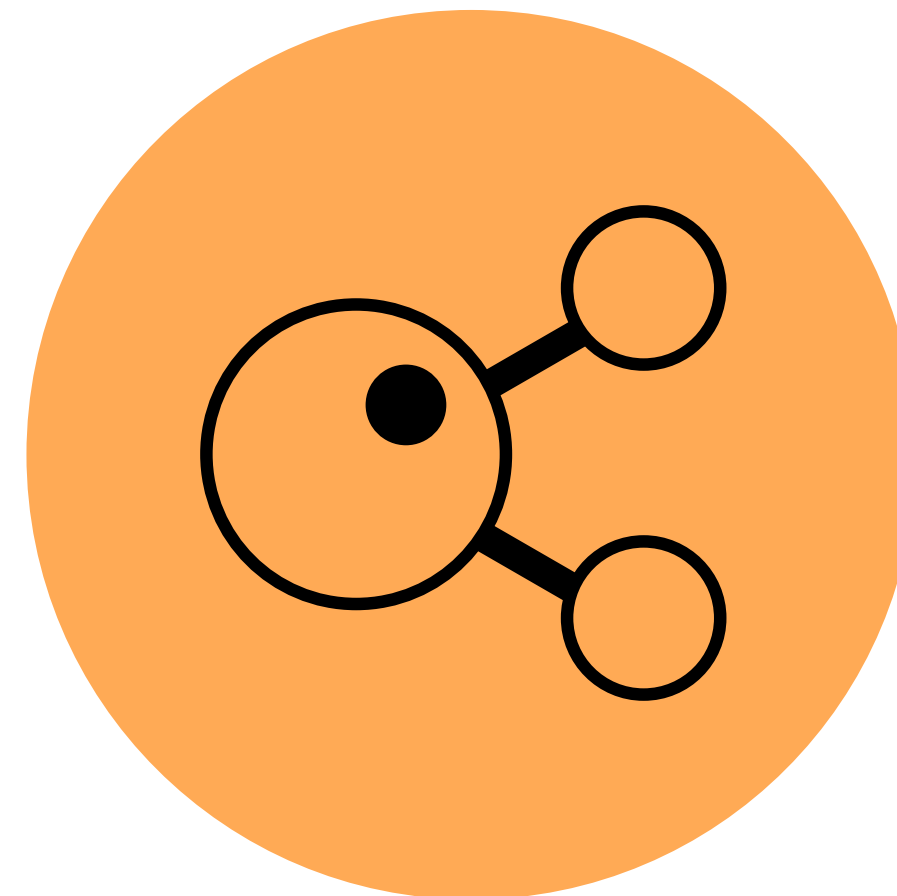
Implementations



Implementations



Oil & Gas
US | California
- 30+ ships remotely connected
- Found 80% saving on data transmitted with fragmentations



Life Sciences
UK | Cambridge
- Connecting ships, polar operations station, aircrafts and remote workers with the HQ



Marine | NL
South Holland
- 40+ vessels replicating together
- Data shared dynamically across different vessel types



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