

From Upstream, through Midstream, to Downstream

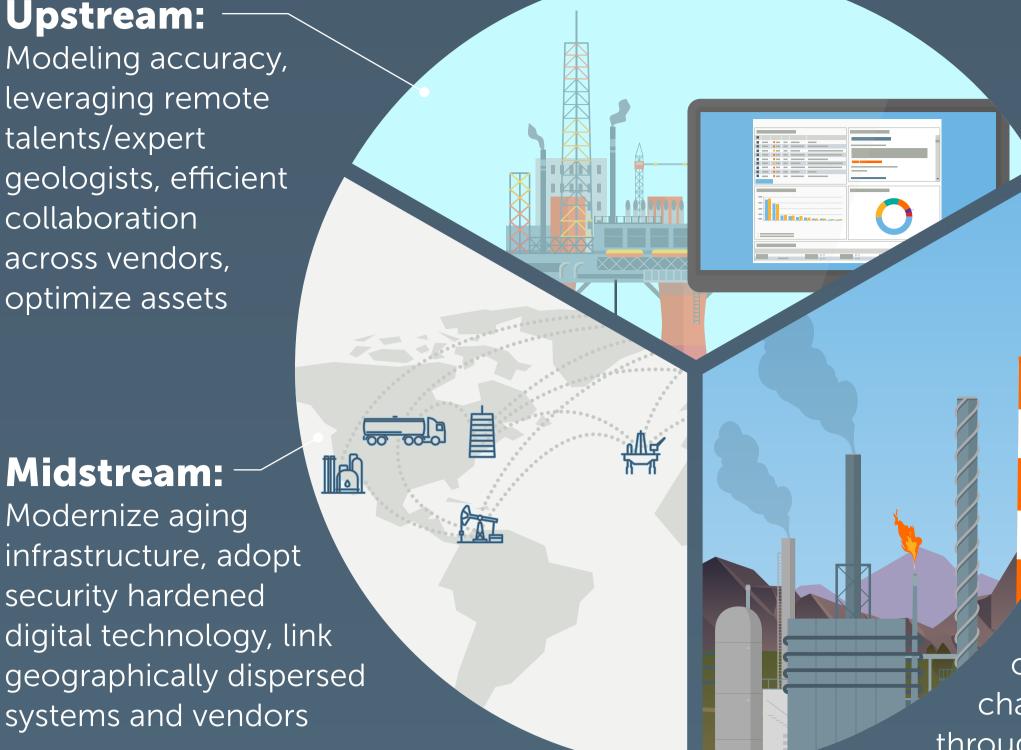
OIL & GAS NETWORK CHALLENGES

Heavy Traffic Loads

Upstream:

Modeling accuracy, leveraging remote talents/expert geologists, efficient collaboration across vendors, optimize assets

Midstream: Modernize aging infrastructure, adopt security hardened digital technology, link geographically dispersed



Downstream: Reduce maintenance costs through condition-based

maintenance enabled by real-time data. Digitize refinery ops, optimize supply chain to boost yield and throughput

of executives know

🕯 is an issue

the talent shortage

of the energy workforce is retiring, thinning the knowledge-base



Every device &



collaboration

Global



remote



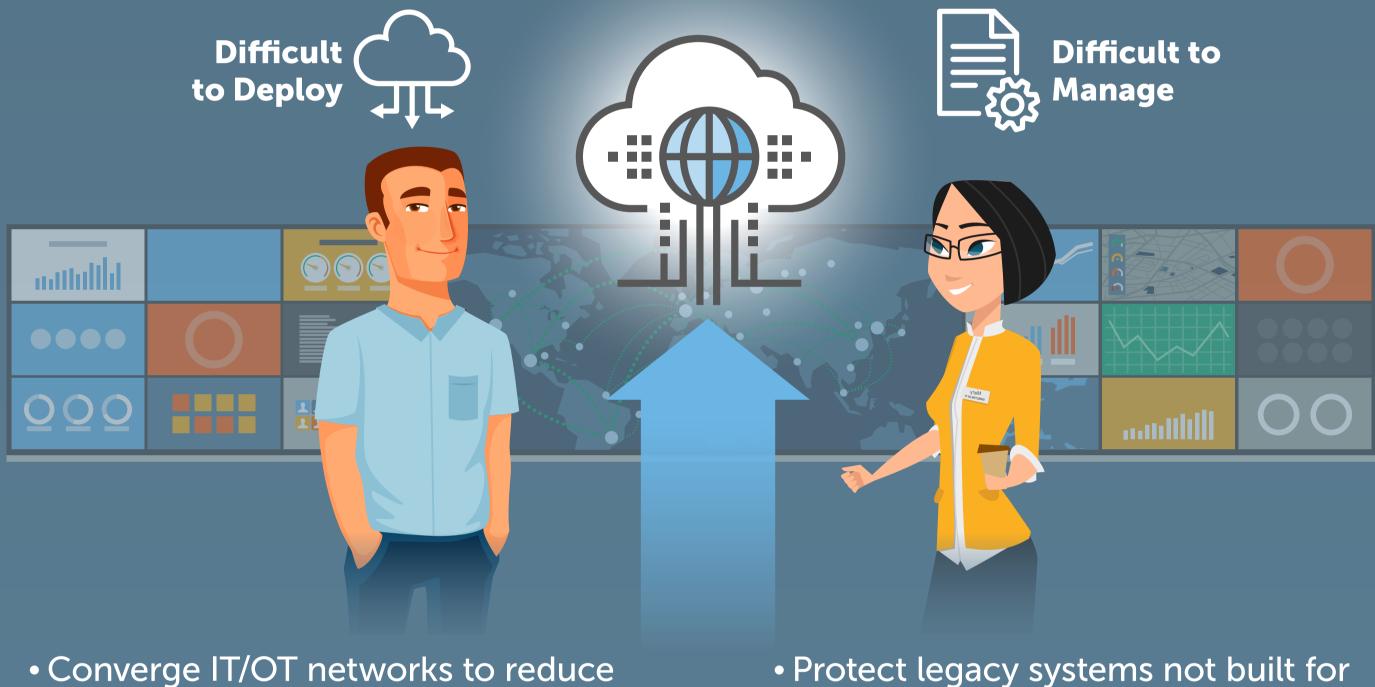
business center



Digital twins



Operations Challenges



• Improve collaboration across companies to share planning, forecasting, and operations support

cost and optimize investment

- Increase visibility to control costs and optimize performance and user experience

cybersecurity rather than update

and negatively impact operations

Full-fidelity visibility makes it easier to...

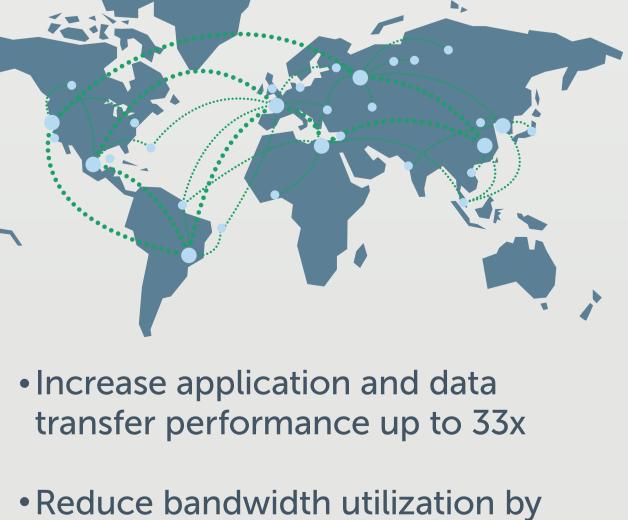
HOW RIVERBED CAN HELP



Max efficiency...



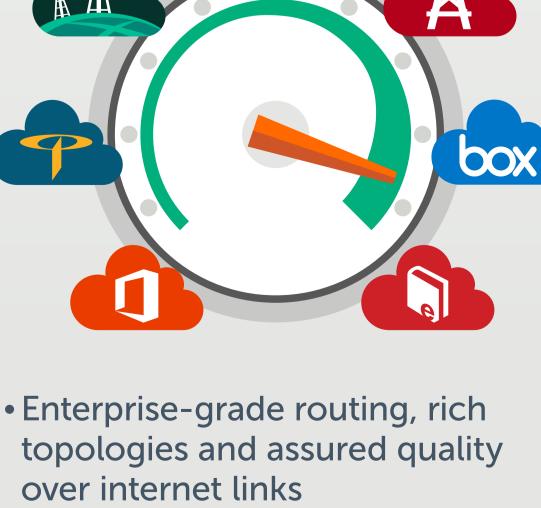
Accelerate...



Enable distributed workforce with

optimized access to their files and

Optimize delivery



- over internet links Best-in-class performance for
- on-prem, cloud or SaaS apps Next-gen firewall, comprehensive
- UTM or service chaining with 3rd party security services.

Riverbed

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