AXXANA

BUILT TO LAST

Protecting Your Business

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STORAGE AWARDS THE STORRIES IX WINNER "ONE TO WATCH"

ORACLE PARTNER NETWORK

ORACLE BIG DATA APPLIANCE READY

ORACLE DATABASE READY

ORACLE EXADATA READY

ORACLE LINUX READY

Business Check Point

- What are your most critical applications ?
- How long can these application be down ?
- How much data can these application lose ?
- How comfortable are you that you can recover these applications/data in that time frame ?

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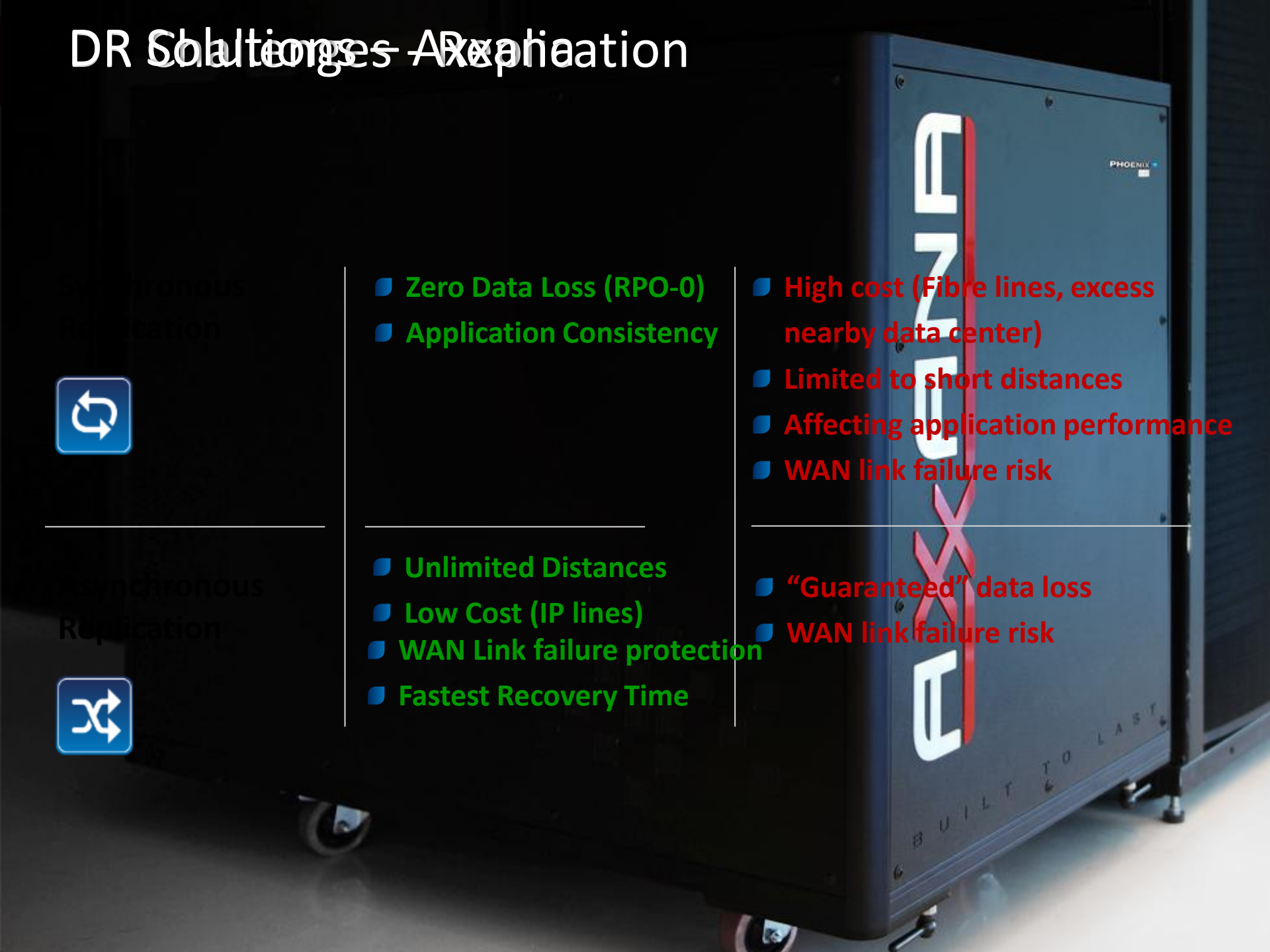
Data Loss = Down Time = Cost

DR Solutions – Explanation



Synchronous Replication

- Zero Data Loss (RPO-0)
- Application Consistency

- High cost (Fibre lines, excess nearby data center)
- Limited to short distances
- Affecting application performance
- WAN link failure risk

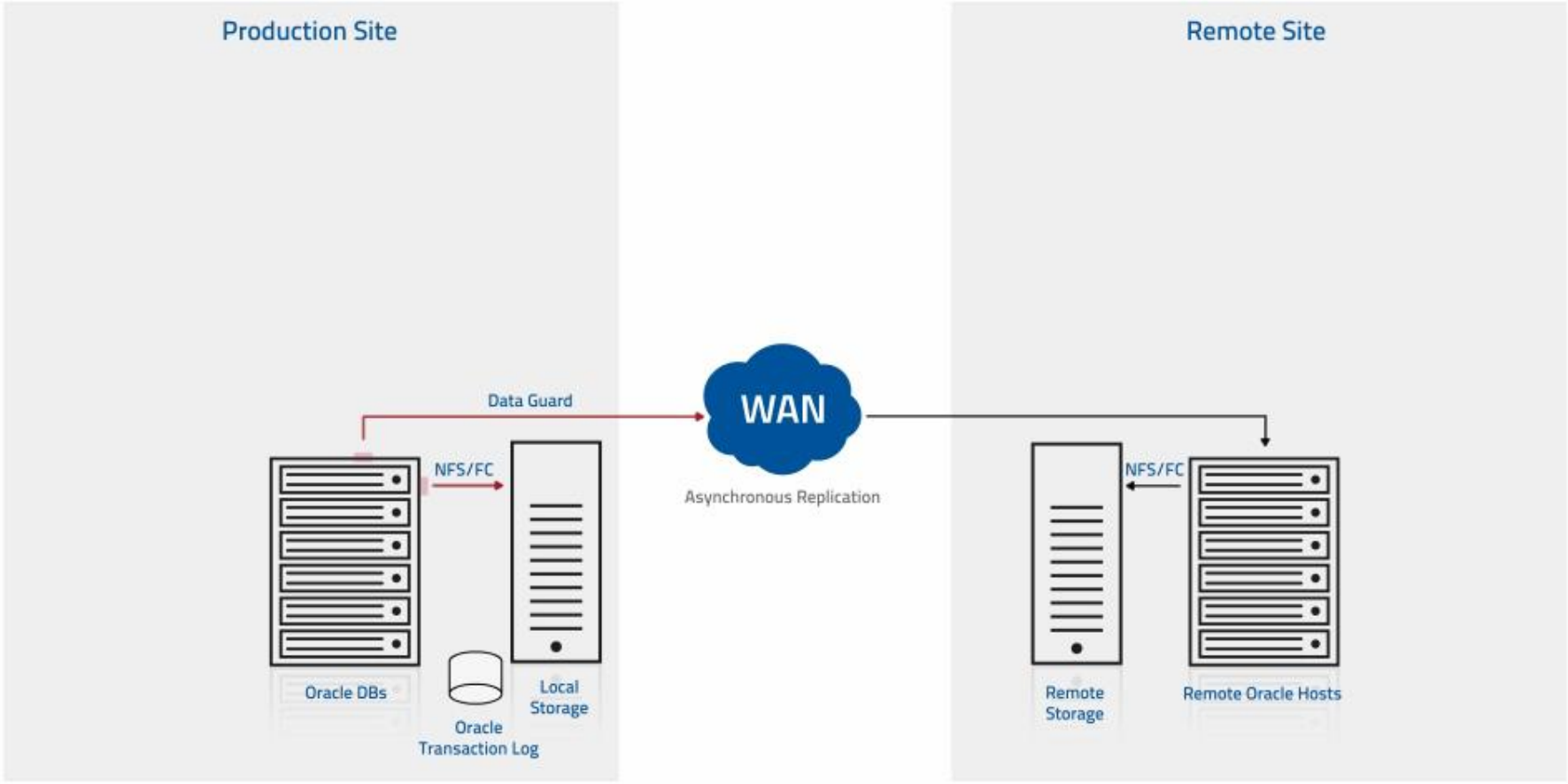
Asynchronous Replication

- Unlimited Distances
- Low Cost (IP lines)
- WAN Link failure protection
- Fastest Recovery Time

- “Guaranteed” data loss
- WAN link failure risk

Phoenix System® for Oracle

Replication-based Asynchronous Replication



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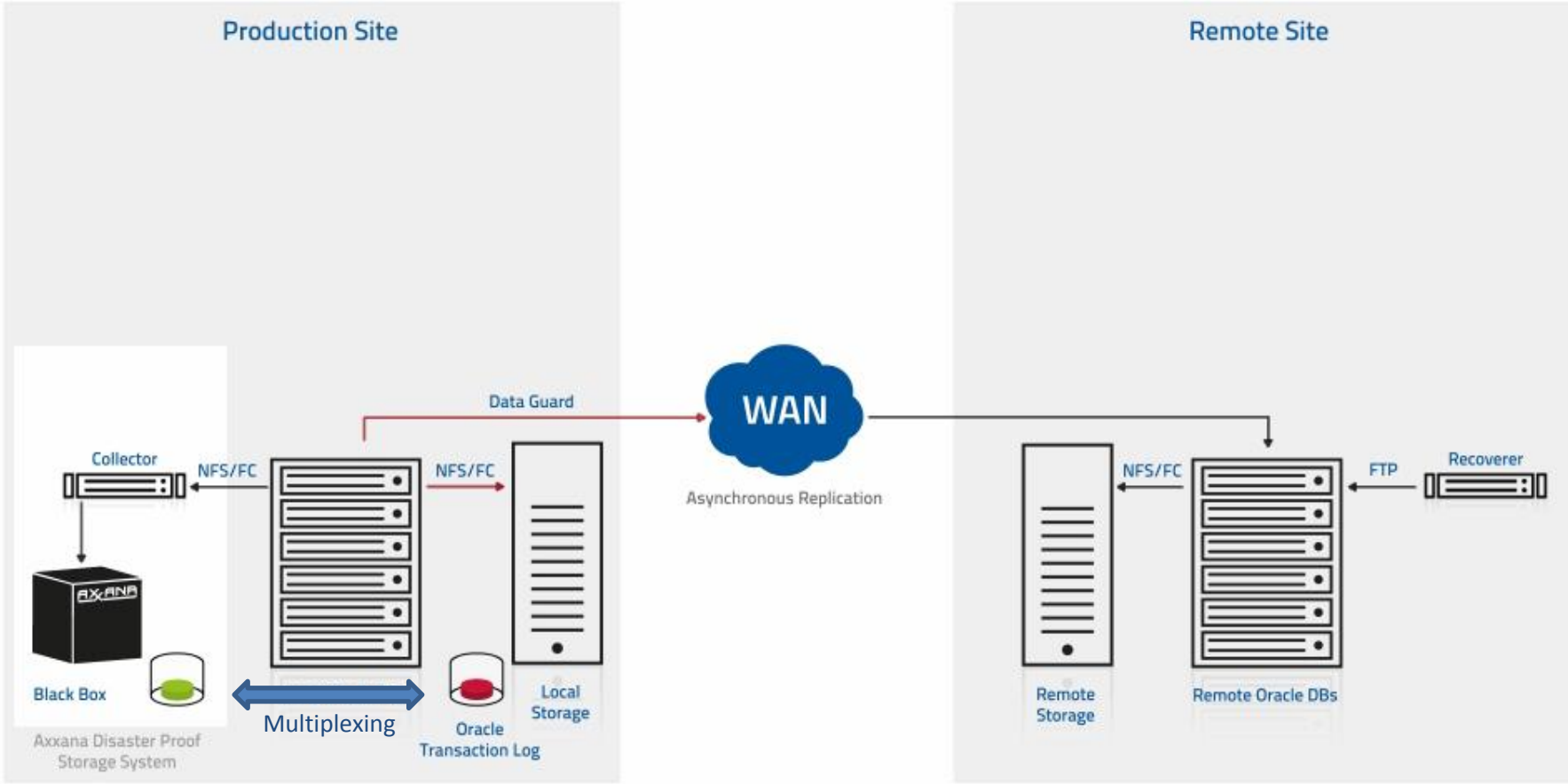
Synchronous Replication over IP lines with Axxana



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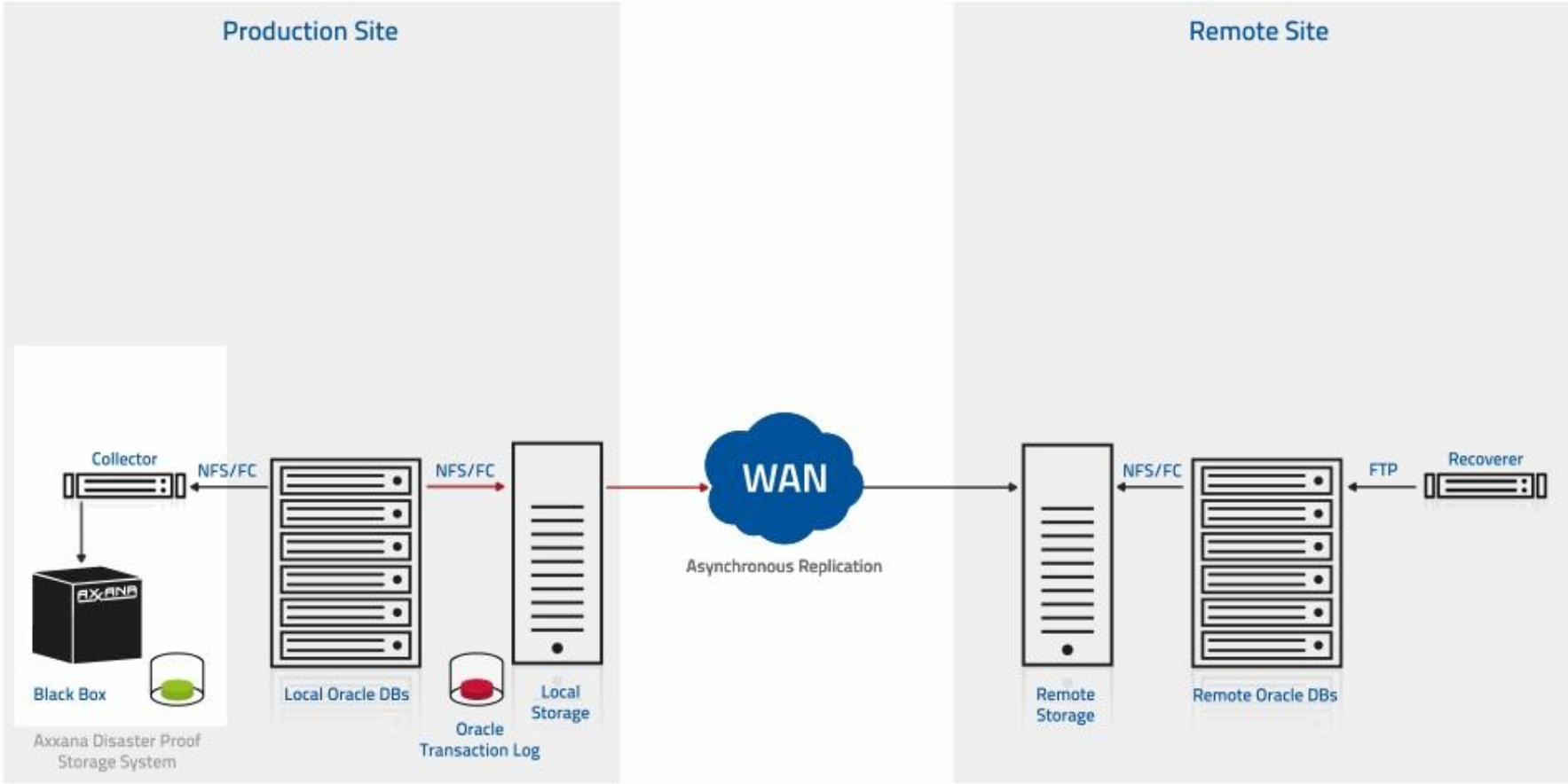
Synchronous Replication over IP lines with Axxana



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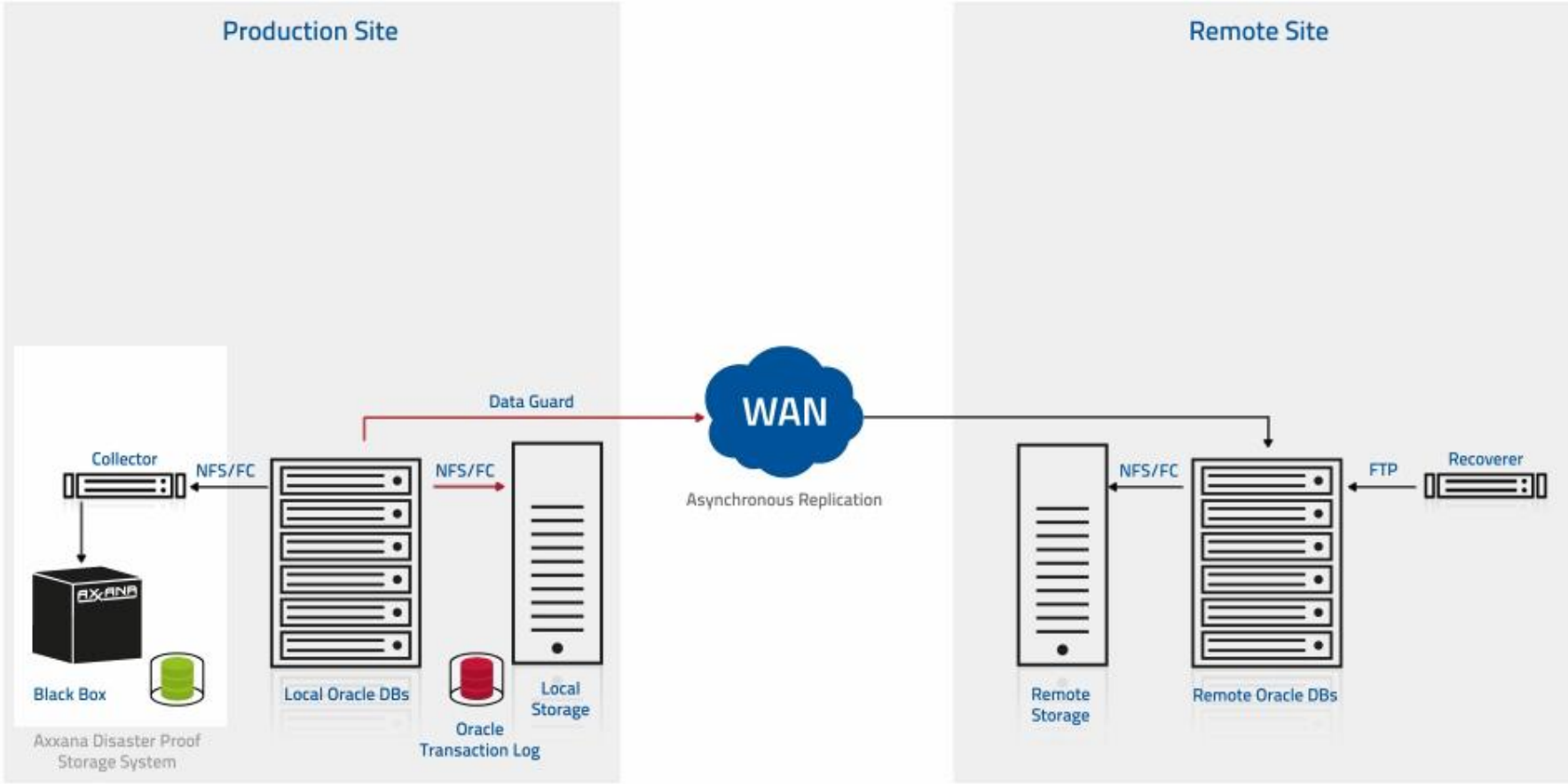
Zero Data Loss over Unlimited Distance



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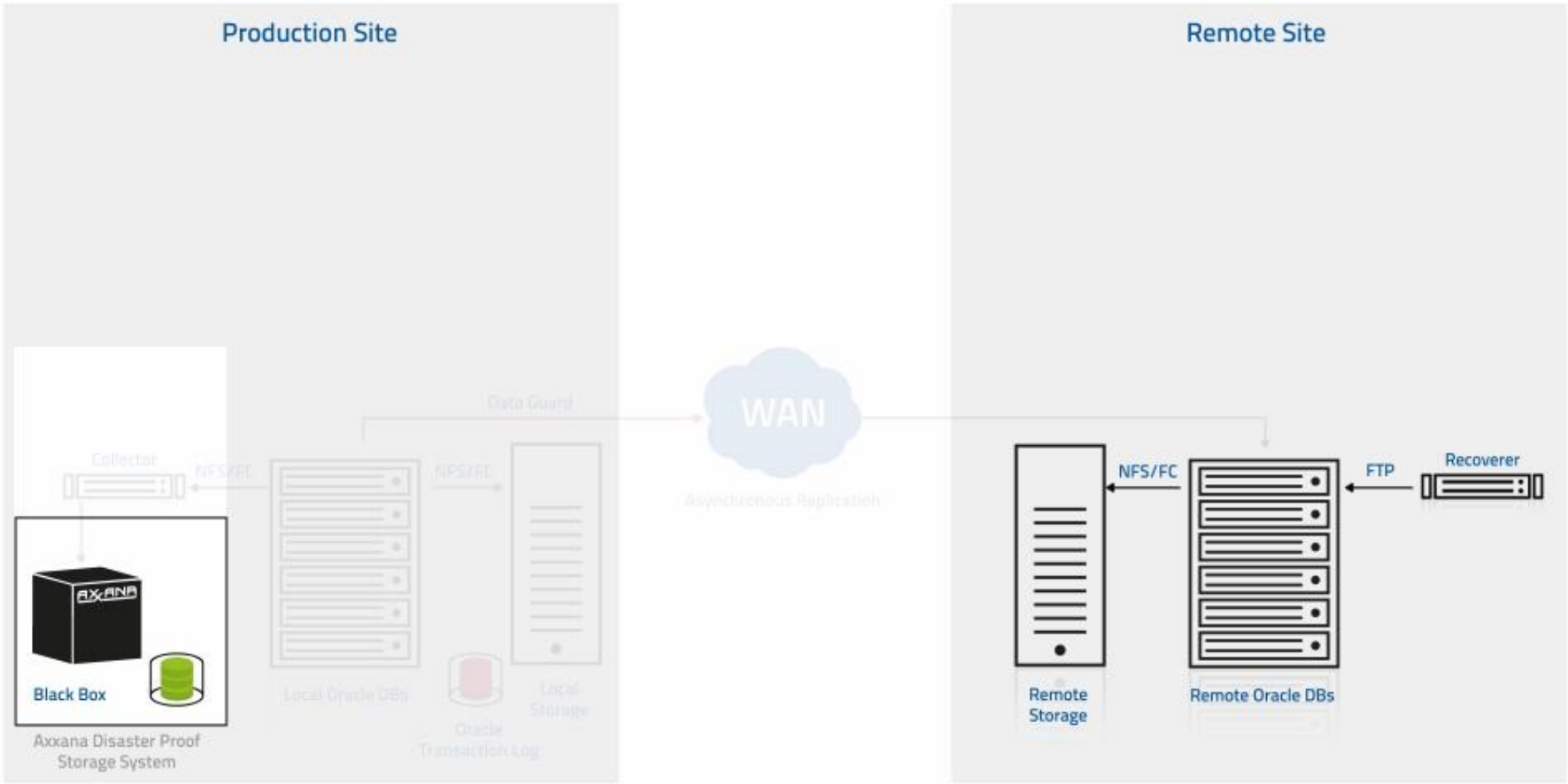
Zero Data Loss over Unlimited Distance



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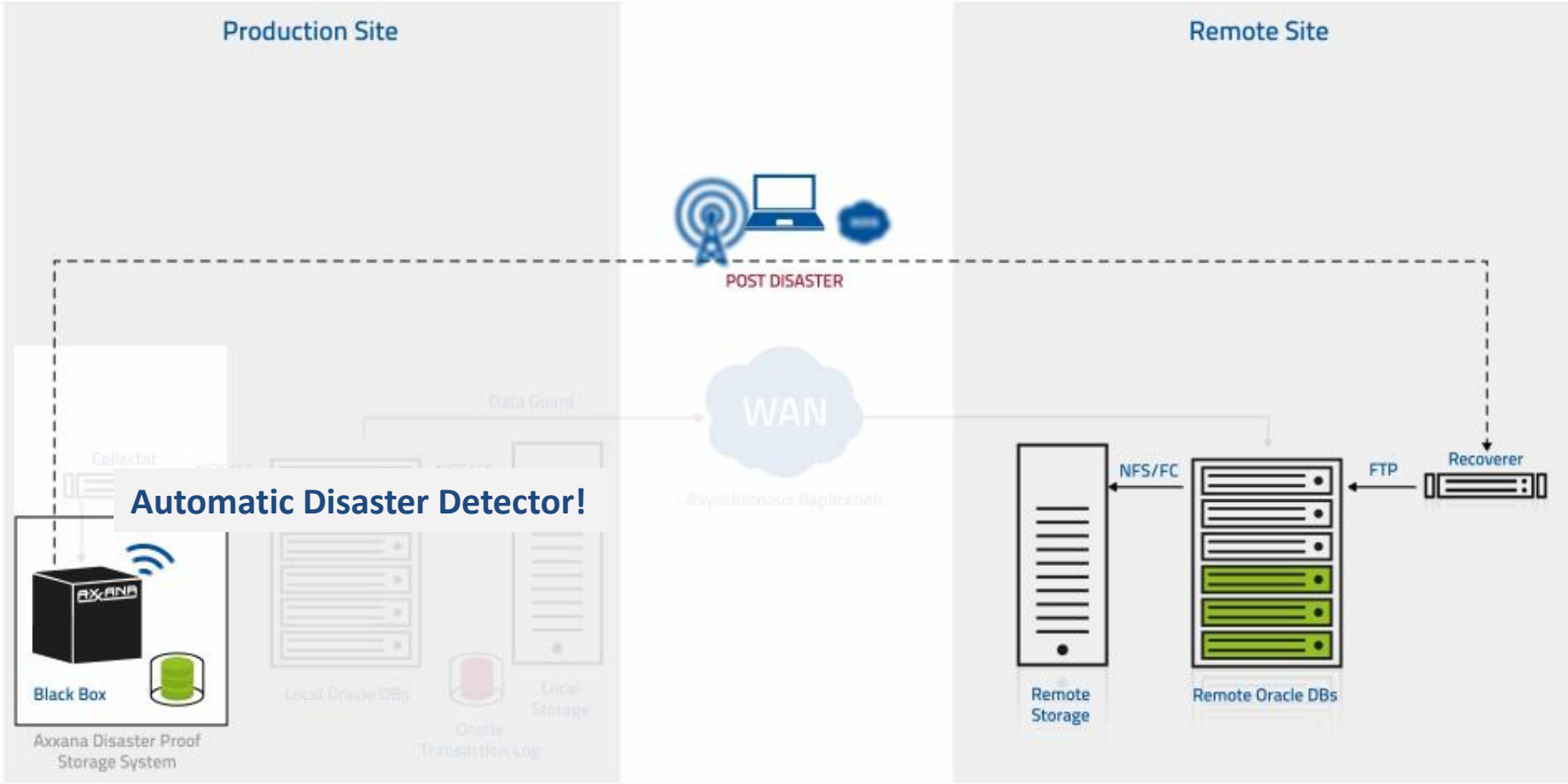
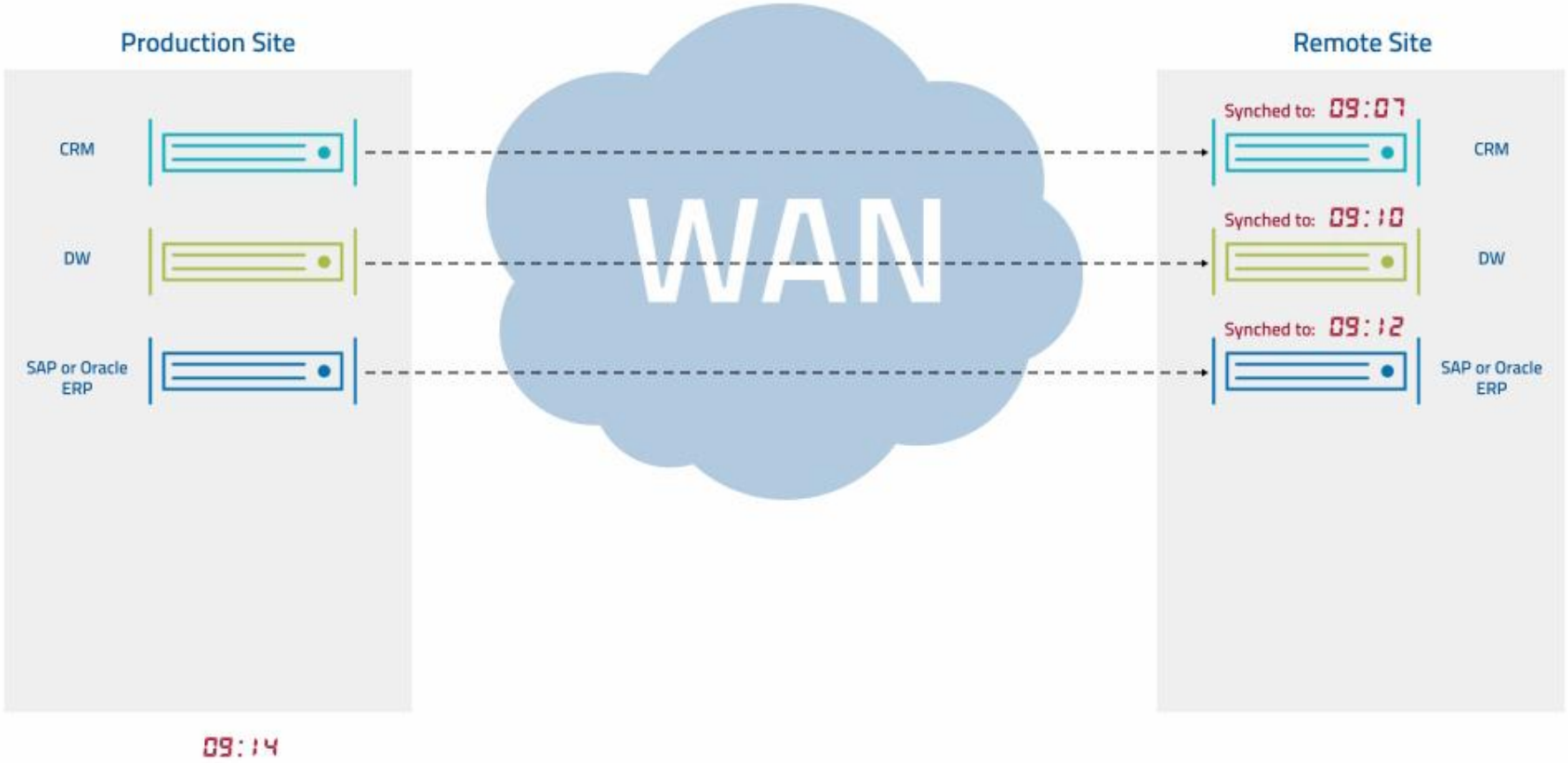
Zero Data Loss over Unlimited Distance



The Application Inconsistency Challenge



Phoenix System for Oracle Exadata

- Optimized Storage Product for the Oracle Database
- Combination of hardware and software
- Mission Critical Availability and Protection

The Challenge:

The replication is based on Data Guard, and therefore it will be used in Max Performance or Max Availability modes in most cases

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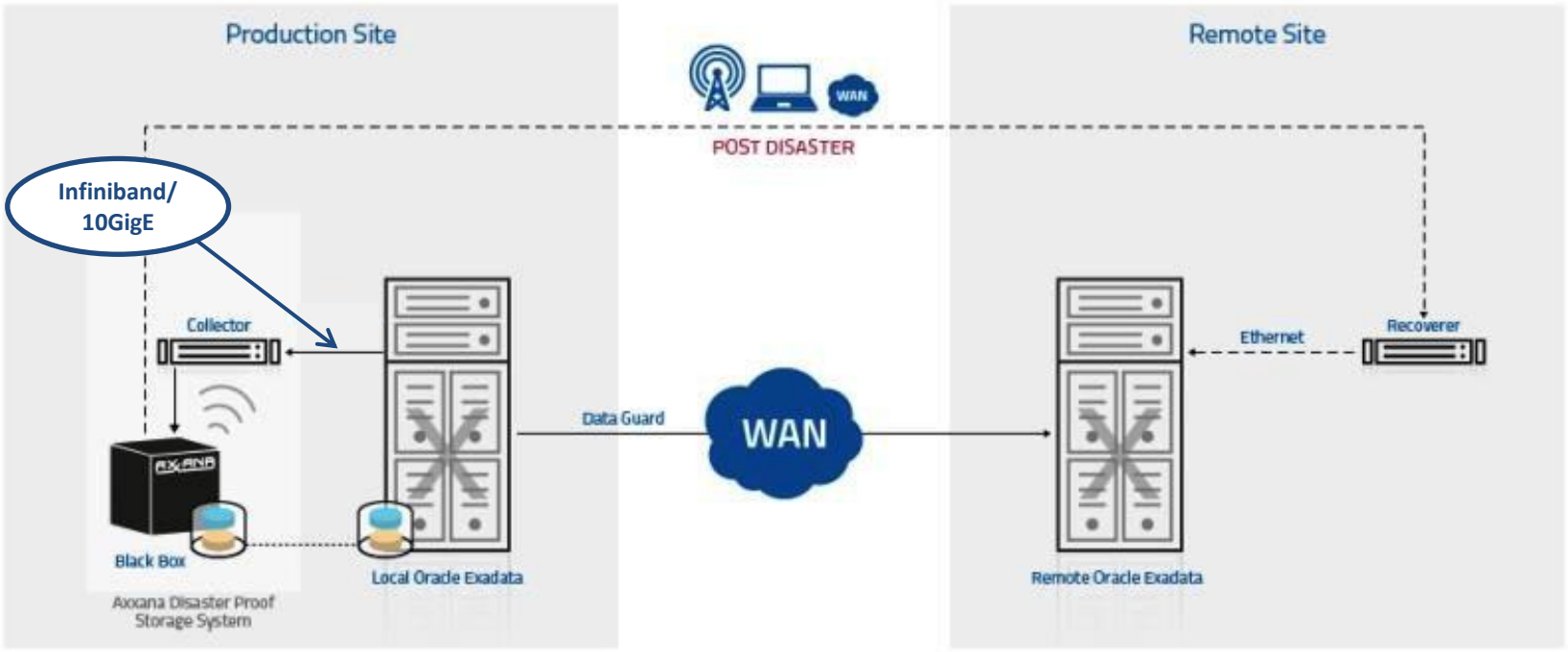
Exadata Topology



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Oracle 12c Active Data Guard Far Sync

- High costs of the nearby data center facility
- High costs of Fiber lines between two nearby DCs
- Vulnerable to link failure
- Vulnerable to regional disasters (e.g. power outage)

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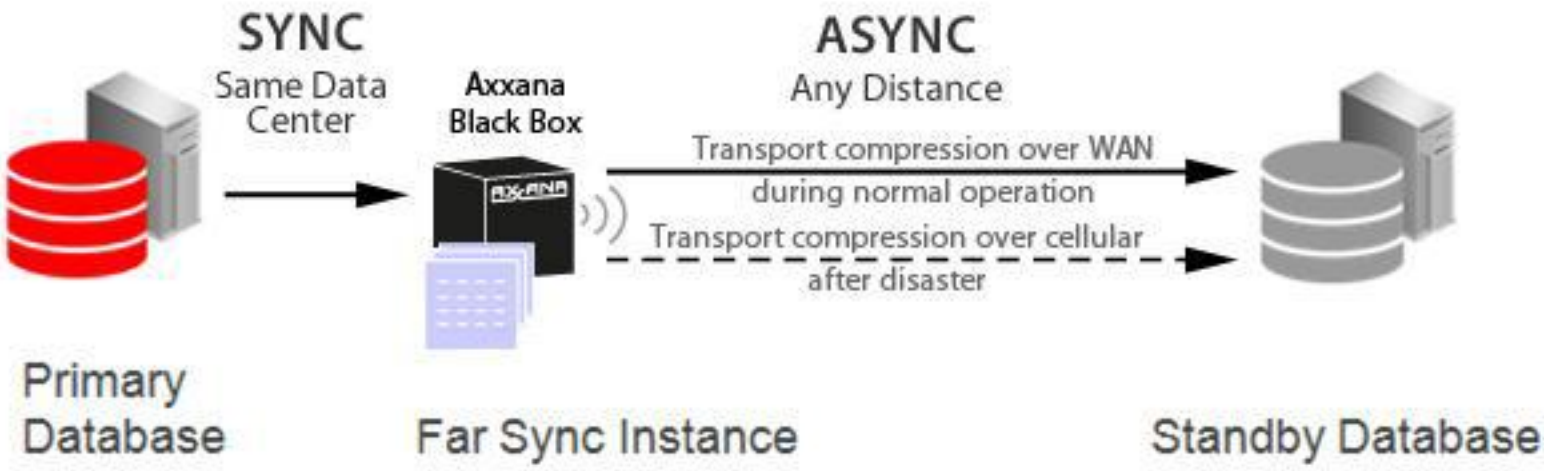
Oracle 12c Active Data Guard Far Sync w/Axxana



- No nearby data center facility!
- No costly Fiber lines – there is no nearby data center!
- No risk of link failure – the Black Box is on primary premises!
- … and will not get destroyed!

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See for yourself…

ORACLE Gold Partner

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Oracle Recently Published White Paper

Oracle Active Data Guard Far Sync with Axxana Phoenix for Oracle

ORACLE WHITE PAPER | SEPTEMBER 2015

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http://www.oracle.com/technetwork/database/availability/axxana-farsync-2660770.pdf

Oracle Active Data Guard Far Sync with Axxana Phoenix for Oracle
September 2015
Author: Larry M. Carpenter
Contributing Authors: Alex Winokur, Axxana

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Typical Customer Use Cases

- **Risk Mitigation** - The "Basic"– Zero Transaction Loss over distance, without the need for costly lines
- **Cost Savings** - "3DC → 2DC" – elimination of 3 data center topologies while actually gaining *more* protection of the business
- **Cost Savings** – Moving Tier-2 applications to cheaper storage – maintaining the same ZDL level of protection
- **Mission Impossible** – ZDL/ZTL for Oracle databases with All Flash Array storage
- Application protected – OLTP, E-Business Suite, SAP…
- Where – Banking/Finance, Insurance, Retail, Manufacturing, Healthcare, Travel, Transport, Tech...

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Data Loss = Down Time = Cost

Phoenix System® for Oracle Summary

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Thank you!