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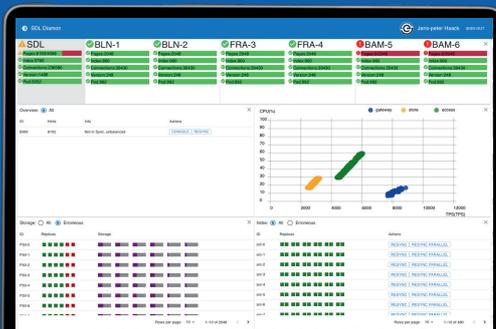
UDR Diagnostic and Remedy System

Efficient Insights and Repairs for tens of thousands of UDR Pods.



Data Balance, Index Consistency, Data Availability, Trends, Network Connectivity, TPS

Aggregated health and cause analysis at one glance.



Timeline • Overview of last hours, days, months, fast browse into past to interactively observe trends

Diagnostics and Mitigation

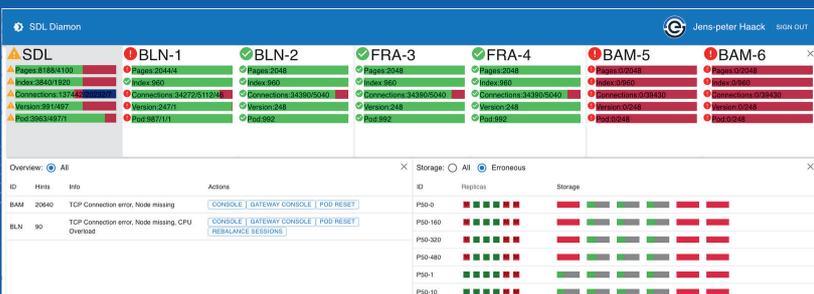
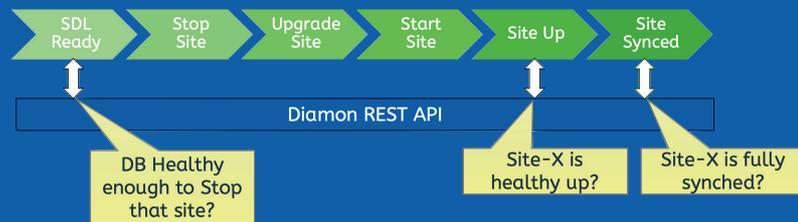
Measurements by software components and probes lead to a comprehensive problem diagnosis and root cause determination, enabling immediate remedial action from a single interface.



Multidimensional problem analysis and error grouping to components / cluster / network elements leads to root cause analysis

Enabling Automated Operations

REST API provides health state and operational risk guards, seamlessly integrated into your automation environment. Remedy API provides full control to customize and enhance repair and troubleshooting capabilities.



Modular Plug-In Concept

Powerful customer extensions (Plug-In)

- API Actions
- GUI Actions
- Service Probing
- Error Grouping



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Diamon GUI and API

What can Diamon add to your UDR Operations and Automation

Understand simultaneous Issues

Thousands of different data points like connectivity issues, data synchronization problems, unavailability of nodes, client rejects are correlated, aggregated and grouped in a short, ordered list of key issues.

This enables operators to

1. understand in seconds if different problems are present at the same time, causing thousands of different alarms.
2. address the most impacting one first
3. trigger safe mitigation actions

Enable Automation with API

Automation is triggered by configuration changes and will perform all required actions in a flow of steps. This includes checkpoints and guards like:

'Wait till site is completely up and running'
or
'Ensure that all sites are fully synchronized'

To answer these question an in depth analysis of service and data states on all sites will be required, provided by the Diamon REST API service.

Get a second Opinion by Diagnosis

Like a car repair, the device provided alarms and logs needs a bespoke diagnosis device to obtain insights and correlated data analysis to point to root-causes and distill required repair actions.

Diamon exactly provides this diagnosis for the UDR, without such a powerful tool, service will be blind in many aspects during interventions or monitoring.

UDR Health in a single View	For any number of sites and pods
Aggregation of Issues	Distills thousands of hints into few core issue statements
Remedy actions at your finger tips	Time from issue to mitigation in few minutes
Health API	Automation scripts can leverage on high level information about UDR
Remedy API	For trouble shooting and repair actions
Timeline	Shows timeline of past hours or days with event marker: Errors, Failures, Warnings
Time warp and Browse	Allows to go back in time to any point in time and compare and analyse the data at that time
Provide perfect fit of CSP and UDR worlds	Combination of bespoke CSP process integration and detailed insight into a vast scale UDR database provides the vital glue of both worlds
User Management	Multi-User, multi-team and user role support.
Deployment	Co-Installed with every CNF deployment of the UDR, WEB based GUI

