Vertiv™ Unify Next Predict

AI-powered asset monitoring and predictive analytics

Overview

Vertiv™ Unify Next Predict is an AI-powered digital managed service that combines sensors, high-resolution telemetry, and AI/ML powered analytics to deliver actionable, predictive insights. It detects anomalies and emerging issues before they impact operations, improving infrastructure reliability, minimizing downtime, and optimizing system performance.

By analyzing real-time data and applying automated condition-based and predictive maintenance logic, Vertiv Unify Next Predict empowers data center teams to move beyond traditional calendar-based maintenance models and:

- Maximize uptime through continuous monitoring and early issue detection.
- Reduce unplanned downtime by predicting potential failures with AI-driven algorithms.
- Streamline lifecycle management using predictive insights and real-time asset and component health assessments to optimize maintenance and component replacements planning.
- Improve efficiency by providing data-driven recommendations from real-time operational metrics.
- Extend the assets' lifespan by continuously benchmarking their performance to optimal operating conditions.

Achieve reliable uptime, reduce downtime risks, and maximize on-site visits with AI-powered predictive maintenance.

What is Vertiv™ Unify Next Predict?

Vertiv Unify Next Predict is an AI-driven digital service that monitors and predicts equipment health. It identifies performance issues before failure, enabling smarter, predictive maintenance to help eliminate unplanned downtime and optimize efficiency.

1. **Asset telemetry**
   Asset data is captured from critical components and sensors that provide key data points for analysis.
2. **Secure data transmission**
   The telemetry system supports the secure transmission of critical asset data to the cloud to run analytics and predictive algorithms.
3. **Cloud-based analytics**
   Advanced algorithms contextualize data to detect early indicators of failure, enabling prescriptive actions.
4. **Prescriptive actions**
   When risks are detected, our trained service engineers teams interpret the data and prescribe targeted actions.
5. **Targeted service response**
   Our trained service engineers deliver service exactly when and where it's needed to prevent downtime and optimize efficiency.

Key benefits:

Elevate data center performance

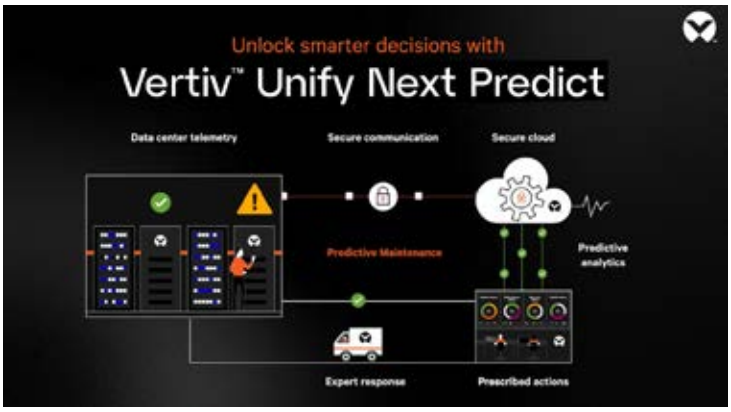
Vertiv Unify Next Predict simplifies the increasing complexity of data center infrastructure management by delivering real-time insights and proactive maintenance strategies. Through AI-enabled analytics and continuous monitoring, it empowers operators to achieve measurable improvements in reliability, efficiency, and performance.

Vertiv Unify Next Predict makes it easy to:

- **Optimize maintenance efficiency:** Use predictive insights to prioritize critical tasks, improve mean time to repair (MTTR), increase efficiency of service visits, and time on-site.
- **Enhance operational visibility:** Continuously monitor equipment health across multiple sites for informed, data-driven decisions.
- **Extend asset lifespan:** Improve component longevity through condition-based and predictive maintenance guided by real-time health improvement recommendations.
- **Access to Vertiv service engineers:** Leverage 24/7 expert guidance and actionable insights from Vertiv's service engineers to keep your data center running at peak performance.
- **Increase operational efficiency:** Receive recommendations that can be taken to improve equipment performance based on environment, running conditions, and lifecycle.

Key product features:

- **AI powered health assessment**
  AI-driven algorithms assess in real-time the health of the equipment and perform analysis of component conditions, usage patterns, behavior anomalies and changes to equipment lifespan. Our self-learning AI continually improves by capturing real feedback from field maintenance crews, closing the loop between real-world maintenance experience and continuous algorithm improvement. The algorithms are proprietary and patented, incorporating Vertiv's product design knowledge and decades of field maintenance expertise.
- **Vertiv technical support**
  Vertiv's High Availability Response Center (HARC) continuously monitors and benchmarks telemetry data to automatically identify performance deviations and enable timely corrective action.
- **Remote troubleshooting**
  Identify and assess equipment issues remotely. Reduce the need for on-site visits, optimize the time on-site and minimize response delays.
- **Health incident generation**
  Automatically detect anomalies, performance and health degradations to trigger actionable service requests for just-in-time intervention. Prioritize maintenance tasks based on severity.
- **Custom maintenance plans**
  Create AI-optimized maintenance schedules that reflect actual equipment health to prioritize and allocate resources and replacement parts where they are most needed.
- **Digital dashboard**
  Gain centralized access to equipment health, alerts, recommendations, maintenance schedules, and lifecycle planning through an intuitive, cloud-based interface.
- **Fleet benchmarking**
  Equipment performance is compared within sites and across sites, while Vertiv's algorithms share best practices to improve asset health, reliability, and performance.
- **Continuous algorithm enhancement**
  As a managed service, Vertiv™ Unify Next Predict uses machine learning models to refine algorithms that predict equipment health, evolving with each data cycle and maintenance visit to continuously improve predictive accuracy.



Compatible Vertiv products and brands:

Thermal management

Technology	Products
Outdoor packages	Vertiv™ Liebert® DSE Packaged Free-Cooling Solution, Vertiv™ CoolPhase Flex Hybrid Outdoor Packaged System, Vertiv™ Liebert® AFC
Floor mounted packages	Vertiv™ Liebert® PDX, Vertiv™ Liebert® PCW
Liquid cooling	Vertiv™ CoolChip CDU

Critical Power

Batteries	Vertiv™ EnergyCore
UPS	Vertiv™ Liebert® UPS, Vertiv™ PowerUPS, Vertiv™ Liebert® Trinergy™ Cube
Power Distribution	Vertiv™ Liebert® STS2, Vertiv™ Liebert® PPC

Please contact your local Vertiv Sales representative for the latest list of supported product models.

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