



# ORock Ransomware Rescue as a Service

## Key Benefits

### Increase Business Recoverability

Managed services and infrastructure built to enable quick recovery from an attack

### Expand and Complement Your Team's Security Skills

Support current IT staff with professionals specifically trained to help recover from ransomware attacks

### Integrate Your Backup and Recovery

Next-generation hardware and software expand your enterprise IT infrastructure with hybrid cloud capabilities, including access to critical backups in the cloud

### Prevent Financial Losses and Operational Disruption

Proactively ensure your organizational and critical infrastructure images and data are systematically backed up and recoverable

### Secure Your Data

Hybrid cloud solution architected from end to end with the latest-generation physical and software security components and cloud technologies

### Save Money

Delivered as a consolidated OpEx solution with predictable monthly or annual costs and a flat-rate billing model with no additional data ingress or egress fees

### Built-In NOC/SOC Support

Provided by US citizens located in a US facility, with real humans answering the phone to support your needs

## Protect Your Organization From Costly Ransomware Attacks

It's no secret that government and commercial organizations of all sizes are under constant attack from new, bold, and more sophisticated cyber security threats—particularly those that store and process personally identifiable information or sensitive data.

In 2017, an estimated 200,000 machines worldwide were affected by the malicious Wannacry and NotPetya ransomware viruses, with damages ranging from hundreds of millions to billions of dollars. But despite this wake-up call to establish greater cyber defenses, many organizations still lack the necessary protections and capabilities to rescue their data from ransomware attacks.

Your ability to quickly, efficiently, and seamlessly recover from a partial or full attack will help you avoid significant impacts to your productivity, revenue, and reputation.

## Introducing ORock Ransomware Rescue as a Service (RRaaS)

In partnership with data center technology leaders HPE and Aruba, security and IT engineers from ORock Technologies designed, integrated, and deployed a true hybrid solution to enable faster recovery from a successful ransomware attack. ORock RRaaS helps mitigate the risk to your data, operations, and bottom line as the result of a cyber security event.

This comprehensive offering is designed to ensure you have adequate backups - securely maintained and encrypted - that are separated from your IT infrastructure. These backups, from which you can quickly recover your data, are stored in the highly-secure ORockCloud and can be retrieved and delivered on demand by ORock's trained support team.

## Get Back To Business Quickly

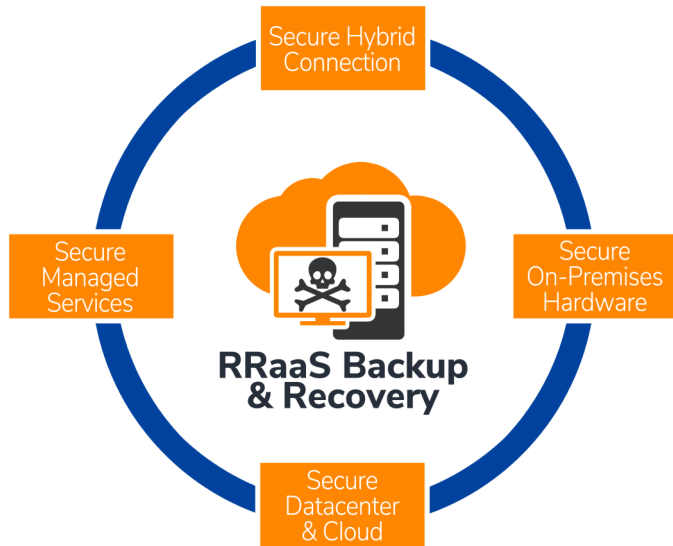
ORock RRaaS ensures you have the necessary backups and professional services to successfully recover with more confidence and less downtime. The RRaaS solution delivers the specialized components you need to:

- Enable continuous scheduling and automation of critical data and IT environment backups and images
- Provide secure, encrypted, and preconfigured hybrid bi-directional data transfer over the Internet or network connection
- Incorporate storage technologies on-prem and in the cloud that safely and securely backup and protect critical organizational data
- Rely on ransomware rescue professionals that provide services to help you quickly and securely retrieve critical backups on-demand for complete or partial IT environment or data recovery

# BACKUP AND RECOVERY FOR RANSOMWARE PROTECTION

## A Comprehensive Managed Service

ORock RRaaS provides a combination of on-premises and cloud technologies, along with professional services, within one tightly integrated “as a Service” solution to serve as your final line of defense in the event of an attack. This fully-managed solution removes the burden from your organization by bringing together the right hardware and software components and then designing and deploying an end-to-end solution. RRaaS seamlessly creates a true hybrid cloud approach to protecting, storing, backing up, encrypting, and recovering critical data.



### Secure Hybrid Connection

Engineered by network security experts, RRaaS provides encrypted bi-directional connectivity between your on-prem environment and the ORockCloud.

### Secure On-Premises Hardware

ORock utilizes the latest-generation data center hardware from HPE that is backed by Silicon Root of Trust protection. It is uniquely architected, designed, deployed and managed for security, data protection, and performance.

### Secure Data Center and Cloud

All RRaaS on-premises components are tightly integrated to the ORockCloud for unparalleled data security, encryption, and performance. ORockCloud environments are hosted in SOC 2 Type II data centers.

### Secure Managed Services

ORock’s US-based IT and ransomware rescue professionals deliver hands-on planning, implementation, and ongoing solution support. If rapid access and recovery are required, our team of support specialists will be there to help.

## A Critical Line of Defense to Protect Your Organization

Cyber attacks take all forms and shapes, and there is no one area of focus that can stop every threat. There are a number of tools, policies, and procedures you should use to significantly decrease your organization’s vulnerability. But the possibility of an actual breach is real, and organizations must be prepared to respond and quickly recover.

It’s important to employ a wide range of best practices, from employee education and training to ensuring all of your applications and systems are updated and patched. If and when a breach occurs, your final line of defense will likely be your backup and recovery strategy and capabilities. That is precisely where ORock’s RRaaS fits in, with turnkey backup, recovery, and execution to get you up and running while minimizing the damage to your customers, constituents, partners, employees, and investors.

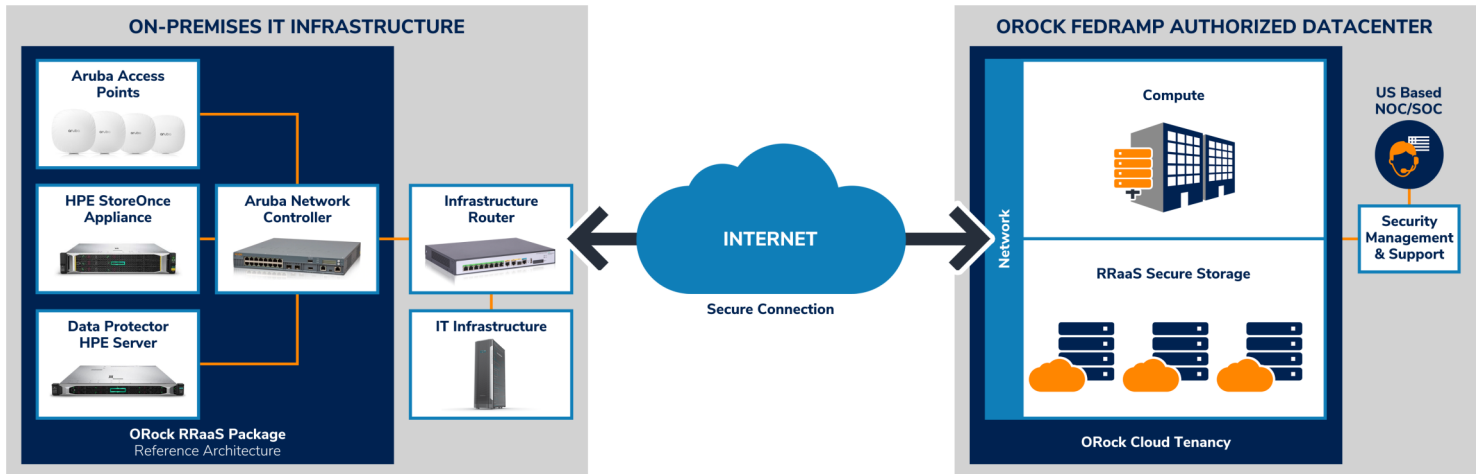


# INTEGRATED RANSOMWARE RESCUE TECHNOLOGIES

## On-premises to Cloud Integration

Leveraging the industry’s latest generation hardware and software, ORock RRaaS includes a powerful combination of components and services to enable secure hybrid backups and recovery. Starting with on-premises components that integrate into your existing storage solutions, RRaaS allows data to be automatically backed up, securely transmitted, and stored in ORock’s secure cloud.

If a rescue is required, the RRaaS hardware and software components, coupled with our support services, facilitate rapid data recovery.



## OPC RRaaS Features

| On-Prem Storage and Backup Components  | On-Prem to ORockCloud Secure Connectivity   | ORockCloud Hosting Capabilities   | ORockCloud Secure Storage   |
|--|---|---|---|
| <ul style="list-style-type: none"> <li>• Purpose built backup appliance that is integrated within the existing on-prem infrastructure</li> <li>• Designed to store copies of backup data in deduplicated form</li> <li>• High-performance backup and recovery for rapid protection of data</li> <li>• Fast recovery of data from on-prem or the ORockCloud</li> <li>• Integrated with HPE applications to deliver highly efficient data transfer</li> <li>• Advanced technology ensures data is encrypted in transit and at rest</li> <li>• Preconfigured integration with the ORockCloud</li> </ul> | <ul style="list-style-type: none"> <li>• Enables a secure bi-directional connection between premises, intelligent edge and ORockCloud for superior hybrid capabilities</li> <li>• For advanced malware or antivirus protection, the Aruba Controller can assume the role of an on-premises agent of centrally-hosted firewalls</li> <li>• Aruba software provides network access control for advanced device visibility, control, and attack response</li> <li>• Software provides a three-pronged approach to Identify, Enforce, and Protect both the wired or wireless network</li> <li>• Access Points feature Aruba enhanced security technologies</li> </ul> | <ul style="list-style-type: none"> <li>• Secure and feature-rich cloud that integrates HPE and Aruba solutions for seamless utilization of compute, storage, and network resources for hybrid cloud capabilities</li> <li>• All ORock RRaaS components are integrated and tested to provide a cloud environment that is optimized for cost, performance, and flexibility</li> <li>• ORockCloud offers environments with 325+ or 421+ security controls for compliance with FedRAMP, HIPAA, HITECH, and PCI DSS</li> <li>• Hosting solutions are architected and built on enterprise-grade open source technologies and run on HPE compute and storage hardware</li> </ul> | <ul style="list-style-type: none"> <li>• Integrated with ORock Object Storage for immediate on-demand access</li> <li>• Performance of snapshots and replication combined with the protection of backup to enable fast and efficient application protection</li> <li>• Cloud storage options are integrated and provide high availability and reliability along with rich security and encryption capabilities</li> <li>• ORock storage capabilities support a range of performance and cost options using HPE state-of-the-art storage technologies for diverse application and workload requirements</li> </ul> |

## Lifecycle Solutions Led by Experienced Cyber Security and Cloud Professionals

ORock has assembled the right hardware, software, and expertise to deliver an end-to-end solution that greatly simplifies and accelerates your hybrid cloud strategy and helps you recover from a ransomware attack. We fully engage with your team to understand your requirements and objectives, assess your current infrastructure, and build and deploy a solution that is fully managed for you. This is all delivered for a monthly operating expense that maximizes value. RRaaS services include the following:



**Pre-Install Assessments & Architecture Design**



**Installation & Configuration**



**IT Infrastructure & RRaaS Application Management**



**Premier Cloud Support**



**Ransomware Rescue & Recovery Services**

## End-to-End Services & Support

ORock's engineering and support personnel, working together with experts from HPE Pointnext, will engage your organization to assess your requirements. They will arrange an onsite visit (if required) to evaluate existing hardware, software, and physical facilities. Once IT infrastructure data is collected and business objectives are defined, a full implementation plan is developed. The team provisions the necessary equipment and software and arranges a full onsite installation and setup process to achieve the agreed-upon configurations within a production state. Working with your team, ORock experts clearly delineate ORock's ongoing support responsibilities from those of your organization. Key customer internal IT resources are properly trained to perform required management functions.

ORock and the HPE Pointnext teams provide ongoing remote monitoring on all onsite and cloud RRaaS components. This includes ensuring all hybrid solution components are updated and patched as needed. ORock's support personnel provide premier support to ensure your cloud tenancy, storage, and backups are secure and performing within the required service levels. This includes regular reports and analytics on backups, network, and storage utilization.

What if I need to recover from a ransomware attack?

ORock's NOC rescue experts will assist in on-demand recovery requests. Depending on the extent and severity of the ransomware attack, ORock's RRaaS solution can expedite a recovery from onsite data. If that data is compromised, ORock assists with the retrieval of secured data that was backed up and stored encrypted in the ORockCloud.