

# CSI CLOUD SERVICES FOR LINUX ON IBM POWER



## SUPPORTING LINUX ENVIRONMENTS ON IBM POWER SYSTEMS

Running complex Linux workloads at peak performance around the clock is an important but time-consuming activity. With challenging IT budgets and scarce resources, organisations are often forced to divert skilled staff from strategic projects to administer routine tasks. CSI Cloud Linux on Power Services can take over the burden of mundane operations, allowing you to focus on business transformation with the confidence that your Linux on IBM Power Systems platforms are in safe hands.

CSI has been managing critical Linux workloads running on market-leading IBM Power Systems for decades. As an IBM Platinum Business Partner, our highly accredited experts support platforms on a client's premises, hosted in a third-party data centre or in the CSI Cloud. Our multicloud platform allows organisations to meet changing demands, increasing and scaling-back resources in a private, hybrid or public cloud environment.

### Optimise Availability and Performance of Linux workloads on IBM Power Systems

CSI Cloud Linux on Power Services are designed to optimise the availability and performance of critical workloads running Linux on IBM Power Systems. We achieve this by:

- Monitoring all components that can impact system stability
- Reacting quickly to alerts through a 24/7 service desk and proven service management processes
- Confirming that operating system and firmware are maintained at correct versions
- Ensuring that backups complete successfully - or escalating failures
- Providing a disaster recovery or high availability environment



We can monitor and manage the following Linux on IBM Power service elements:

| Linux Service Element  | Enterprise | Core | Optional |
|--|------------|------|----------|
| <b>Physical Hosts and Control Devices</b>                          |            |      |          |
| Hardware Management Console (HMC)                                  | X          | X    |          |
| Virtual I/O Server (VIOS)  | X          | X    |          |
| Top of rack network switches                                       |            |      | X        |
| SAN switch errors monitoring                                       | X          | X    |          |
| SAN storage array monitoring                                       | X          |      |          |
| Firmware upgrades (SAN, switch, SAN storage, physical Power frame) | X          |      |          |
| <b>LPARs</b>   |            |      |          |
| Software   | X          |      | X        |
| Backup   | X          | X    |          |
| Event Management   | X          | X    |          |
| Security Hardening   |            |      | X        |

## CSI Cloud Linux on Power Service Offerings

**Enterprise:** provides monitoring and management of a Linux on IBM Power Systems environment. CSI's experts will manage all event alerts and determine the right course of action to ensure your business-critical applications remain available, protecting end-user productivity. Monitoring thresholds also allows CSI to act proactively to maintain service levels.

**Core:** provides monitoring of a Linux on IBM Power Systems environment only. CSI will notify you of all event alerts enabling you to determine the next steps for your business.

### Data Centre Options

CSI can monitor, manage and support complex and regulated Linux workloads running on robust IBM Power Systems in several different scenarios. The CSI Cloud offers system resources that are leased by capacity, or we can dedicate entire physical servers to a single organisation.

Where a client owns its own IBM Power Systems infrastructure, CSI can offer hosting solutions (rack space, power, cooling, networking) together with monitoring and management of those platforms. Alternatively, CSI can provide remote services for client-owned infrastructure on-premise or in a third-party data centre.

| Service Elements   | Enterprise | Core | Optional |
|--|------------|------|----------|
| CSI Cloud Linux on Power, leased by capacity                                   | X          |      |          |
| CSI Host Linux on Power, leased as physical servers                            | X          |      |          |
| Client-owned infrastructure, hosted by CSI in various data centres             | X          | X    |          |
| Client-owned infrastructure, on premise or hosted by client third party vendor |            | X    |          |
| Linux on Power Subscription and Licensing                                      |            |      | X        |
| Linux on Power Subscription and License Reviews                                |            |      | X        |

### High Availability (HA) and Disaster Recovery as a Service (DRaaS)

CSI provides an HA/DR service for Linux on Power-based applications in three ways:

1. IBM PowerHA SystemMirror for Linux
2. HA Restart technologies – such as Live Partition Mobility (LPM - planned local outage) or Simplified Remote Restart (SRR - unplanned local outage)
3. Cross site storage-based data replication providing HA/DR

We also use the CSI Cloud to provide a standalone DRaaS environment to enhance availability for existing on-premise customers. CSI will manage production role swap and roll-back, either via remote assistance or onsite attendance.

The same level of service will be provided to both the HA/DR environment and the production platforms to ensure that, in the event the HA/DR systems are required, the same patch levels and monitoring are available. Additional monitoring will be set up to ensure data replication and optimal status of HA clusters.

### Additional Services from CSI

To help our clients achieve their specific business goals, we offer a number of additional IT services, including:

- AI-optimised Cloud Infrastructure
- Network Monitoring & Management
- Backup and Recovery Simulator
- Managed Service Provider Security including access management reporting, licence management, denial of service attacks, anti-virus, compliance, Certificate management, log retention and OS security hardening
- Managed Security Services built around CSI SIEM service, elevated end point protection and phishing service, which is managed by the dedicated security operations team Professional Services e.g. consultancy, project management, risk mitigation and roadmap reviews

Platinum  
Business  
Partner



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