

# IBM Spectrum Protect Plus updates

---

Learn about new features and updates for IBM Spectrum Protect Plus Version 10.1.

Release	New features and updates
<b>V10.1.3</b>	<p><b>Back up and restore Microsoft Exchange databases</b></p> <p>IBM Spectrum Protect Plus application support is extended to include Microsoft Exchange Server environments. Protect all your Exchange resources such as stand-alone or Database Availability Groups (DAG) configurations. Back up resources with Service Level Agreement (SLA) to run regularly with specific retention rates, and restore on-demand or scheduled jobs. Use the granular restore function with the IBM Spectrum Protect Plus Microsoft Management Console (MMC) GUI to restore individual mailbox items.</p> <p>For more information, see <a href="#">Microsoft Exchange server</a>.</p> <p><b>Back up and restore MongoDB resources</b></p> <p>IBM Spectrum Protect Plus application support is extended to include MongoDB environments. Protect MongoDB resources with backup jobs for regular Service Level Agreements (SLAs) to run with specific retention rates, and restore on demand or set up a scheduled job to an alternative host. Restore options include instant access to support rapid verification and testing, test restore operations to support DevOps, and full restore-to-production operations. This feature extends IBM Spectrum Protect Plus application support to include community and enterprise editions of MongoDB workloads.</p> <p>For more information, see MongoDB. For more information about supported environments, see the <a href="#">MongoDB requirements [early version for beta]</a>.</p> <p><b>Enhanced restore capabilities for Db2® restoring to alternative locations</b></p> <p>Restore the same resources to the same machine multiple times with different names. When you are restoring multiple copies of the same Db2 resources, you no longer need to use different target machines for each of the restore operations. Restore the same resources to the same machine multiple times if needed.</p> <p>For more information about restoring Db2 resources to alternative locations, see <a href="#">Restoring Db2 databases to an alternate instance</a>.</p> <p><b>Offload to cloud storage</b></p> <p>Use cloud storage with IBM Spectrum Protect Plus to ensure data security and use cloud storage. Offload your incremental forever replicas from a vSnap server to any of these cloud storage providers.</p> <ul style="list-style-type: none"> <li>Amazon S3.</li> <li>IBM Cloud Storage (COS).</li> <li>IBM® COS WORM.</li> <li>Azure Cool.</li> <li>Azure Hot Storage.</li> </ul> <p>Use instant recovery capabilities from the vSnap repository to any copies that are offloaded to the cloud or to IBM Spectrum Protect.</p> <p>For more information, see <a href="#">Offload to secondary backup storage</a>.</p> <p><b>Optimize offload to IBM Spectrum Protect</b></p> <p>Offload incremental forever replicas from a vSnap server to an IBM Spectrum Protect Plus storage server with disk container pools. The offload operation supports all workloads that are supported by IBM Spectrum Protect Plus.</p> <p>For more information about offload operations, see <a href="#">Adding a vCenter Server instance</a>.</p> <p><b>Advanced backup capability</b></p> <p>Manage your backup jobs outside of an SLA schedule, with increased capability such as the ability to run partially completed jobs or backing up single resources.</p> <p>For more information about managing jobs, see <a href="#">Rerunning a partially completed job</a>, and <a href="#">Backing up a single resource</a>.</p> <p><b>Support is extended</b></p> <p>Support in IBM Spectrum Protect Plus is extended to include the following environments:</p> <ul style="list-style-type: none"> <li>• Oracle 18c stand-alone configuration.</li> <li>• Windows 2019 (TBC).</li> <li>• vSphere 6.7 Update 1.</li> <li>• VMware file-level back up and restore on Windows Server Core platforms 2012, 2016 and</li> </ul>

Release	New features and updates
<b>V10.1.2</b>	<p><b>Back up and restore Db2 databases</b>  This feature extends IBM Spectrum Protect Plus application support to include IBM Db2 environments. With IBM Spectrum Protect Plus Version 10.1.2, you can back up Db2 databases and logs. Restore options include instant access to support rapid verification and testing, test restore operations to support development and testing, DevOps, and full restore-to-production operations including point-in-time recovery.  For more information, see <a href="#">Db2</a>.</p> <p><b>Enable vSnap encryption</b>  This feature enhances the security of your backup data. Both onboard and external vSnap servers can now be initialized with encryption enabled.  For more information, see <a href="#">Adding a vSnap server as a backup storage provider</a>.</p> <p><b>Update your VADP proxy servers automatically</b>  This feature helps to ensure that your external VMware vStorage APIs for Data Protection (VADP) proxies are always up-to-date without user interaction. VADP proxy updates are applied as soon as they become available.  For more information, see <a href="#">Installing vSnap servers</a>.</p> <p><b>Reduce system load and optimize throughput</b>  Throttling optimizes the use of multiple VADP proxies to maximize data throughput. For each virtual machine being backed up, IBM Spectrum Protect Plus determines which VADP proxy is the least active and has the most available memory and free capacity.  For more information, see <a href="#">Managing VADP backup proxies</a>.</p> <p><b>Save space in Oracle environments by truncating logs</b>  Use the option to <b>Truncate source logs after successful backup</b> for Oracle backup operations to save the space that is used storing log files. Archived logs from successful backup operations that are no longer needed are deleted to save space.  For more information, see <a href="#">Backing up Oracle data</a>.</p> <p><b>Control throughput for application database backups</b>  Server performance might be affected when many databases are backed up concurrently. The <b>Maximum concurrent databases</b> option controls the impact on Oracle and SQL servers and reduces the impact on production operations.  For more information, see <a href="#">Adding an Oracle application server</a> and <a href="#">Adding a SQL Server application server</a>.</p> <p><b>Protect your IBM Spectrum Protect Plus environment</b>  Enhancements to the IBM Spectrum Protect Plus catalog backup and catalog restore features allow you to back up your catalog to the cloud, further preserving your environment for potential disaster recovery scenarios. Additionally, imported keys and certificates are now included in catalog backups.  For more information, see <a href="#">Protecting IBM Spectrum Protect Plus</a>.</p> <p><b>Run scripts from an application server or dedicated script server</b>  Enable scripts to extend the operations of IBM Spectrum Protect Plus. Pre-scripts and post-scripts associated with application backup and restore jobs can now be run from an application server or dedicated script server.  For more information, see <a href="#">Configuring scripts for backup and restore operations</a>.</p> <p><b>Monitor the status of your IBM Spectrum Protect Plus environment</b>  A redesigned dashboard offers greater insight into the general state of your IBM Spectrum Protect Plus environment. The <b>Job Status</b> section displays a summary of job activities over a selected time period through a wide-ranging scatter plot. The <b>Capacity Summary</b> section displays the usage and availability of your vSnap storage.  For more information, see <a href="#">Product dashboard</a>.</p> <p><b>Receive information about runtime errors in real time</b>  An alert list in the IBM Spectrum Protect Plus user interface displays errors and warnings, helping to quickly identify and resolve issues. Each item in the alert list includes a status icon, a summary of the issue, and a link to associated logs.  For more information, see <a href="#">Alerts</a>.</p>

Release	New features and updates
<b>V10.1.1 Patch 1</b>	<p><b>Enhance the protection of Oracle databases by enabling more frequent recovery points</b>  You can use Oracle backup jobs to back up Oracle logs files. In this way, you enable point-in-time restore operations. This feature provides more frequent recovery points and enhances Oracle database protection. For more information, see <a href="#">Restoring Oracle data</a>.</p> <p><b>Protect SQL Server system databases to vSnap</b>  Microsoft SQL Server system databases such as the master database can be backed up to vSnap and recovered by using the Instant Access restore type. This feature broadens the scope of SQL Server protection with IBM Spectrum Protect Plus. For more information, see <a href="#">Restoring SQL Server data</a>.</p> <p><b>Back up and restore SQL Server 2017 databases</b>  Backup and recovery of Microsoft SQL Server 2017 databases is supported in stand-alone configurations on Microsoft Windows Server 2012 R2 and Windows Server 2016 operating systems. This feature extends protection for SQL Server.</p> <p><b>Back up and restore encrypted virtual machines</b>  Backing up and restoring encrypted VMware virtual machines is supported in vSphere 6.5 and later environments. Encrypted virtual machines can be backed up and restored at the virtual machine level to their original location. This feature provides an additional layer of data security. For more information, see <a href="#">Backing up and restoring VMware data</a>.</p> <p><b>Restore VMware data directly to VMware ESX hosts</b>  Service level agreement (SLA) policies are available to restore data to a VMware ESX host directly, regardless of whether vCenter is available. The VMware restore job destination option <b>ESX Host if vCenter is down</b> is provided for this feature. For more information, see <a href="#">Restoring VMware data</a>.</p>

Release	New features and updates
<b>V10.1.1</b>	<p><b>Protect Microsoft SQL Server and Oracle databases</b>  You can back up and restore SQL Server and Oracle databases with IBM Spectrum Protect Plus.</p> <p>For both SQL Server and Oracle Database, full restore and Instant Access scenarios are supported. In addition, for SQL server, you can use the log backup feature for continual backup of transaction logs to a specified destination.</p> <p>For more information, see <a href="#">Backing up and restoring SQL Server data</a> and <a href="#">Backing up and restoring Oracle data</a>.</p> <p><b>Generate reports for supported application databases</b>  Reports are now available that provide insight into the state of your backup operations for database applications.</p> <p>With these reports, you can review the protection status of your supported application databases, the backup history of application databases, and the Recovery Point Objective (RPO) compliance status of databases as defined by their SLA Policies.</p> <p>For more information, see <a href="#">Protection reports</a> and <a href="#">System reports</a>.</p> <p><b>Asynchronously replicate backup data from one vSnap server to another</b>  IBM Spectrum Protect Plus supports backup storage replication, which enables asynchronous replication of backup data from one vSnap server to a secondary vSnap server. This feature provides additional protection and configuration flexibility.</p> <p>For more information, see <a href="#">Establishing a replication partnership for a vSnap server</a>.</p> <p><b>Create user roles with associated permission groups and resource groups</b>  The role-based access control feature is enhanced to streamline the process of creating, revising, or discontinuing roles as the needs of the data protection enterprise evolve. Predefined roles are included for commonly performed tasks.</p> <p>The role-based access control feature is enhanced to streamline the process of creating, revising, or discontinuing roles as the needs of the data protection enterprise evolve. Predefined roles are included for commonly performed tasks.</p> <p>For more information, see <a href="#">Managing user access</a>.</p> <p><b>Register VADP Proxies through the user interface</b>  The VADP proxy installation and update are enhanced. VADP proxies can now be registered by using the IBM Spectrum Protect Plus interface. Similarly, when updates to the VADP proxy software are made available, they can be installed by using the VADP proxy pane in IBM Spectrum Protect Plus. New configuration options allow you to set the transport modes to be used by the VADP proxy, the compression type, and the log retention schedule.</p> <p>For more information, see <a href="#">Managing VADP backup proxies</a>.</p> <p><b>Run scripts before or after jobs</b>  The ability to upload scripts to be run at the job level is supported. Scripts can be executed before or after backup and restore jobs run. Scripts enable you to extend the features and benefits of IBM Spectrum Protect Plus. Supported scripts include shell scripts for Linux-based machines and batch and PowerShell scripts for Windows-based machines.</p> <p>For more information, see <a href="#">Configuring scripts for backup and restore operations</a>.</p> <p><b>Search for, filter, and expire recovery points</b>  The capability to search the IBM Spectrum Protect Plus catalog to review available recovery points is enriched. You can filter recovery points by the associated backup job name and creation date. Additionally, you can expire recovery points by using the <b>Catalog Retention</b> pane. This feature enhances control of backup inventory and of recovery operations.</p> <p>For more information, see <a href="#">Managing IBM Spectrum Protect Plus restore points</a>.</p> <p><b>Filter VMware resources based on tags</b>  Tags allow you to attach category metadata to objects to make these objects more searchable, sortable, and filterable. In IBM Spectrum Protect Plus, tags are applied in vSphere, and the metadata gets assigned to virtual machines. Sorting, searching, or filtering by category is enabled.</p> <p>For more information, see <a href="#">Backing up and restoring VMware data</a>.</p>