

## Feature Highlights

### Server

The latest release of the Perforce Server includes support for Perforce Streams, a next-generation integration engine, and improvements in replication, shelving, and performance.

Feature	Description	Highlights
<b>Perforce Streams</b>	New Streams paradigm: <ul style="list-style-type: none"> <li>Ensures users take a structured approach to branching</li> <li>Flexible best practice branching strategy out of the box</li> <li>Significantly reduces overhead associated with administering workspace and branch views</li> </ul>	<ul style="list-style-type: none"> <li>New stream object with inheritance properties. Streams ensure correct flow of change during copy, merge, and integrate operations</li> <li>Auto generation of client views</li> <li>New server commands:               <ul style="list-style-type: none"> <li><b>istat</b>: check for integrations needed for a stream; includes streams cache for better GUI apps performance</li> <li><b>stream</b>: create or edit a stream specification</li> <li><b>streams</b>: display a list of streams</li> </ul> </li> <li>Existing commands fully support streams: branch, client, clients, copy, diff2, dirs, integrate, interchanges, and merge</li> </ul>
<b>Performance</b>	Faster syncing and improved concurrency	<ul style="list-style-type: none"> <li>Long running integrates will no longer block all submits</li> <li>Enables quick task switching for clients mapped to different depot files</li> <li>Enables quick view switching between branches</li> </ul>
<b>Replication</b>	Enhanced performance and monitoring capability	<ul style="list-style-type: none"> <li>Improved authentication against a replica server</li> <li>Supports native server replication</li> <li>New "operator" user type can monitor, stop, restart, and verify status of a server</li> </ul>
<b>Shelving</b>	Improved collaboration and code review	<ul style="list-style-type: none"> <li><b>unshelve</b> into opened files and test unsubmitted fixes/features that require resolving</li> </ul>
<b>Integration</b>	Next-generation integration engine	<ul style="list-style-type: none"> <li>Moves/renames of files are now propagated and merged between branches, and may be resolved alongside content changes</li> <li>Schedule multiple resolves per source file</li> <li>Resolve edit/delete conflicts</li> <li>Improved base selection semantics and expanded resolve functionality</li> <li>Automatically propagate filetype changes via resolve</li> <li>Optionally ignore branches and deletes during resolves</li> </ul>