

# v2.3 new features

## New Features in Grouper 2.3.0

<b>PSPNG</b>	Provisioning Service Provider Next Generation (PSPNG) implementation addresses performance problems and configuration complexity of the Provisioning Service Provider (PSP)
<b>Loader improvements</b>	Grouper loader improvements: scheduling configuration stored in database facilitates high-availability changes to loader config files do not require restarting the loader, handling unresolvable subjects
<b>Web Service operations</b>	New Web Service operations for attribute definitions, actions, and messaging
<b>Grouper messaging</b>	Grouper messaging system and WS with integration to the change log and ESB
<b>UI screens</b>	UI screens for attribute definitions and <a href="#">inherited privileges</a>
<b>Export to GSH</b>	Export Grouper objects to a Grouper Shell (GSH) script
<b>Folder privileges</b>	Refactor folder privileges to be "admin" and "create" instead of "stem" and "create". See the <a href="#">glossary</a> for updated privileges and definitions.