

v4 Release Notes

Wiki Home	Grouper Release Announcements	Grouper Guides	Grouper Deployment Guide	Community Contributions	Internal Developer Resources
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See below on this page for v4 release notes (v4 build info).

** Grouper v4 is the stable no-enhancement version of v2.6. **

- [v5 release notes](#)
- [v2.6 release notes](#)
- [v2.5 release notes](#)

- [v4 builds](#)
 - [See Also](#)

v4 builds

These will be marked as stable once they are out for a while without issue and/or as people start using these in production. This is a judgment call by the Grouper team. If you are using a new release please inform us so we can provide better advice.

Date	Container tag (version)	Status	Upgrade instructions and notes	Versions	Enhancements and bugs fixed in this version, known issues with this version
2024/03/19	i2incommon/grouper:4.12.0 sha256:d0075066b090d218c845e165d49beb921bc75e0a86cb3096c06f5b7dd2325a88	LATEST STABLE GRP-5338	1 from v4.11.2	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.99 Java Corretto: 17.0.10.8.1 Grouper API: 4.12.0	8 Jiras Tomcat security advisory CVE-2024-23672 Cannot stop and start container due to pipe problem Grouper session gets lost if not assigned to a variable Add option in container to GROUPER_LOG_TO_STDERR and all logs to go stderr (running tomcat single process)
2024/03/10	i2incommon/grouper:4.11.2 sha256:f7ca7abacb0a45b8b34c972c468cec6387a6c9e51a9f3918c46a29151c565d53	STABLE GRP-5382 Tomcat security advisory	1 from v4.11.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.10.8.1 Grouper API: 4.11.2	5 Jiras Memberships created in target without Grouper will not get deleted No open grouper session right after creating one GrouperLoader.runOnceByJobName should run long running jobs once only if running without daemon
2024/03/03	i2incommon/grouper:4.11.1 sha256:a4b09b56cf020329024781c1ffd48ef3bc062bfb6320acfe216888a1a73da90d	STABLE GRP-5350 GRP-5347 Tomcat security advisory	2 from v4.11.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.10.8.1 Grouper API: 4.11.1	5 Jiras Clean logs on 4.11.0 is not working Cannot delete groups (or maybe other things) as a wheel group member Creating log pipes twice can fail Validate rules periodically manually Stop chmoding cacerts when not able to (openshift)
2024/02/27	i2incommon/grouper:4.11.0 sha256:c4afafd0a0492a89d433b445166827146a4c4b67e49d8da2d429d502c833131c	NOT STABLE GRP-5337 GRP-5335	2 from v4.10.3	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.10.8.1 Grouper API: 4.11.0	22 Jiras Fix memory issue with provisioner Composite changes - move membership inserts and deletes to daemon SCIM fixes (can manage "active" status instead of delete, adjust scim emails, allow group updates) Can provision group roles and user roles in real time and incremental
2024/01/09	i2incommon/grouper:4.10.3 sha256:e94ae7cd3955b3acd6571742641828c607e8b2d4fb76298ef50e6876c0e8c5	STABLE Tomcat security advisory	None from v4.10.2	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.10.3	19 Jiras TeamDynamix provisioner fixes GSH template dynamic forms enhancements Add progress bar on visualization (with no timeouts) Json recursion error on memory bean Subjob error in scheduler check daemon cant find log map

2024/01/01	i2incommon/grouper:4.10.2 sha256:294a06c17575111e17435610703c2be726f823542ebea3791a0053811f407a38	RELEASED GRP-5249 GRP-5240 Tomcat security advisory	1 from v4.10.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.10.2	11 Jiras TeamDynamix provisioner Add rewrite valve for tomcat so / redirects to /grouper (or whatever the UI context is) Add tomcat remote IP valve env vars for running v5 behind a load balancer Add https ssl tls for tomcat when running without apache
2023/12/27	i2incommon/grouper:4.10.1 sha256:18ed306dd324070d1c2dde6847b868598bddbe484a90173cdc082458afd5333f	RELEASED GRP-5249 GRP-5240 Tomcat security advisory	None from v4.10.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.10.1	1 Jira gsh does not start
2023/12/27	i2incommon/grouper:4.10.0 sha256:1f73328c0bb6e6f32285f9504a1e19c7ac4eedbcaac2dabb3135ce16059e4c53	NOT STABLE gsh does not start	3 from v4.9.3	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.10.0	30 Jiras Daemon jobs will log ad error out if JVM dies (and other daemon enhancements) Fixed JSON marshaling issues GSH template dynamic inputs GSH template WS enhancements GSH templates report error line number Daemon status threshold automatically adjusts based on schedule
2023/12/05	i2incommon/grouper:4.9.3 sha256:3bf5e7f91aeb546cb64cb88e88f18bb802e63e60213e0cfff0b5e0717a8158041	STABLE json has issues with visualization,etc Tomcat security advisory	None from v4.9.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.9.3	12 Jiras v1 templates do not run Duo throttling logic should always throttle if http response code is 429... Http client network keep alive connection cleanup Box provisioner enhancements
2023/11/26	i2incommon/grouper:4.9.1 sha256:bf65bed450c890e9a32d67022d03c3236ad61f8ec2f90251db11ce6e43aabfda	STABLE v1 templates do not run json has issues with visualization,etc Tomcat security advisory	None from v4.9.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.9.0	10 Jiras Add trust anchors to java cacerts Add option to run tomcat as another user
2023/11/20	i2incommon/grouper:4.9.0 sha256:51c21b2801aaee6d5f5816b216f5237f1ed19b91a7534c2ec34d2f3660337839	STABLE v1 templates do not run json has issues with visualization,etc Tomcat security advisory	6 from v4.8.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.9.0	25 Jiras Add basic auth to scim provisioning framework Add active flag as attribute for scim users Attributes in group view/edit only handles all value types Group updaters should be able to only attest/clear attestation on groups UI: webpage titles for back button and browser tab Ldap loader LDAP_GROUPS_FROM_ATTRIBUTES should allow specifying parent stem Upgrade various libraries for security and performance
2023/11/04	i2incommon/grouper:4.8.0 sha256:0ce7e7b63855115533232264c6ed1a24502105c6331d34c148ecaf96d0c1a171	EXPIRED	1 from v4.7.2	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.9.8.1 Grouper API: 4.8.0	16 Jiras Authentication bypass security issue Provisioner External entity attributes not working for incrementals Instrumentation cleanup SFTP improvements Provisioning improvements
2023/10/13	i2incommon/grouper:4.7.2 sha256:3c03d9c0a7955b74577b4533b8f433df05a4ee4c702d8f7ce40c6e5817270297	EXPIRED	None from 4.7.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.7.2	6 Jiras Simplified UI for GSH templates Default run group or folder does not show for gsh templates Sql/ldap syncs to mysql do not work Exceptions in provisioning should replace null characters before storing to the database
2023/10/09	i2incommon/grouper:4.7.1 sha256:15ca1e909943aafd3afa6355c8a36ea3fec7327e40f4eda5554931abdc1ca7e	EXPIRED	None from 4.7.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.7.1	5 Jiras In provisioning, if changing entities, if a group is deleted (or recalced), entities could be deprovisioned during incremental In provisioning, if not retrieving all groups at once in full sync, group attribute updates not happening (e.g. description)

2023/10/04	i2incommon/grouper:4.7.0 sha256:7aa24f33361ed5e89ed87d74d4d66f22c9efd1ce7fa37c690b571502f69b4907	EXPIRED	2 from v4.6.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.7.0	30 Jiras Add option to mark provisioning attributes in values as "not provisionable if null" Add option to leave a group in target if not provisionable but not deleted in grouper Executable grouperClient jar fails trying to connect using Hibernate Resolving subject from source should update member deleted /resolvable flags Duo administrative role provisioner improvements Old log files not deleted when logging files to host Sql/midpoint provisioner has problems with inserting data that was recently deleted
2023/09/08	i2incommon/grouper:4.6.0 sha256:2aa7b0e8fde2e4209d6824165697af55594514053cd5e0c2e12aecb726125be4	EXPIRED Client jar standalone does not work	1 from v4.5.4	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.6.0	6 Jiras Trusted client certs added to Corretto keystore, tomcat still uses /etc/pki/java/cacerts Ldap provisioner wants to update dn based on case Subject source intermittently disappears when there are database connection issues Google provisioner not retrieving memberships If a provisioner can retrieve all memberships, but isnt retrieving all groups, then it doesnt work
2023/08/28	i2incommon/grouper:4.5.5 sha256:34f0c77def32dd01183b34b7609d4d17628639745c75c2601ab7d7f428202e6b	EXPIRED	None from 4.5.4	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.5.5	7 Jiras In some cases users cannot see folders on UI they have access to (inherited privileges on folders causes this) AWS SCIM provisioning is broken Cannot create group if inherited privileges are not configured correctly Can't provision root stem due to infinite loop Allow change log consumers to specify number of records to process (default 1000) in daemon edit screen
2023/08/24	i2incommon/grouper:4.5.4 sha256:c816c7b5a0a62dbf3e9c4bb0b43355006c2d69d96da4b620ff8e0fa747244b4b	NOT STABLE AWS SCIM provisioning is broken	None from 4.5.3	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.5.4	5 Jiras Fix issues with SCIM provisioning paging
2023/08/24	i2incommon/grouper:4.5.3 sha256:a2d07fe2ea13dc7a95c3f813a2e51a62dd50aedc0f98157de1f4acc1818e082b	EXPIRED	None from 4.5.2	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.8.1 Grouper API: 4.5.3	12 Jiras Security issue upgrade shib to i2incommon/shibboleth_sp:3.4.1_06122023_rocky8_multiarch Group attributes should be available for provisioning Delete value if managed by grouper doesnt work in certain circumstances UI accessibility improvements (customer pull request)
2023/08/04	i2incommon/grouper:4.5.2 sha256:547b6061dd1f7afc30d90049cd6a0f9ef7b5a4fbc87ff4c29425c0562590675c	EXPIRED	None from 4.5.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8.7.1 Grouper API: 4.5.2	6 Jiras Add a strategy in provisioning to be authoritative for value for memberships Allow second email for SCIM 2 provisioning Configure missing caches All provisioners were shown in list (on folder or group) when only some should be shown based on security
2023/07/25	i2incommon/grouper:4.5.0 sha256:91f8a6a8c25f15f7b916bf8f0e877f07522a5fe3f24bc04a7e3d9e588b75f30f	EXPIRED	1 from v4.4.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.8 Grouper API: 4.5.0	17 Jiras Add progress screen for "edit stem" and "edit composite" Add hook and daemon to ensure unique group extension in folder Add edit button on provisionable screen for groups or folders Add run button on GSH template screen Upgrade bouncycastle for vulnerability Add alias1-4 to duo user provisioning
2023/06/28	i2incommon/grouper:4.4.0 sha256:af610ba539659582a27138df8d8f5cda023bce11729336950f18502ec2d66ee	EXPIRED	2 from v4.3.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.7 Grouper API: 4.4.0	8 Jiras Allow micros in timestamps for SCIM for Atlassian provisioning SQL sync bug fixes Allow source IP address filtering on tomcat ports Add built in hook to restrict non sysadmins from using EveryEntity

2023/06 /28	i2incommon/grouper:4.3.1 sha256:d7d67875d6ac5f559f dde0783617620c12f5089b01 54055535639913766ba9c4	EXPIRED	None from 4.3.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.7 Grouper API: 4.3.0	2 Jiras tomcat 8.5.90 does not listen on 0.0.0.0 for ajp revert new tomcat default for max parameter count back to 10k
2023/06 /27	i2incommon/grouper:4.3.0 sha256:4066ed05f045bde4 dd1d19cfd864e19df4c78860 992fe04e8882423bf4d5e962	EXPIRED AJP listens on 127.0.0.1	2 from v4.2.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.90 Java Corretto: 17.0.7	9 Jiras upgrade tomcat to 8.5.90 (security updates) speed up miscellaneous -> provisioning screen minor provisioning improvements
2023/06 /14	i2incommon/grouper:4.2.1 sha256:2d0c9c59a57f9088e 7ff57db9ba52860b68730c14 f9749486fd8816fae8e44d8	EXPIRED	None from v4.2.0	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.7	6 Jiras Bug in provisioner when Select all groups at once during full sync is false Provisioning logs should be able to focus on particular users /groups For duo provisioning commands, if adding a membership that exists, dont fail
2023/06 /06	i2incommon/grouper:4.2.0 sha256:df86a0ef0e0e5a6ca 99a159e6abdc48a49a4cc22 220541c5ebefda7060f310a3	EXPIRED	1 from v4.1.7	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.7	18 Jiras Improve Google provisioner documentation Movie on Google external system Movie on Google provisioner Oauth2 for zoom authentication Memberships from pspng do not delete in incremental Increase default database pool size
2023/05 /24	i2incommon/grouper:4.1.7 sha256:452799f54b54accd 7e15c6fe3b5efa28ab03a5f4 57a4a384a089f737c64a62fe	EXPIRED	None from 4.1.6	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.7	10 Jiras Add new entities in provisioning in certain CRUD configs Handle gracefully provisioning memberships when there are group or entity issues Provisioning - validation before saving doesnt account for properties being removed Add a screen to show provisionable groups Add a screen to see where provisioning assignment are
2023/05 /05	i2incommon/grouper:4.1.6 sha256:3d2243dfdd39660c1 45263ff72d46f16c7f8d20111 dd5d5130e49e332a3ba8c1	EXPIRED	1 from v4.1.4	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.7	18 Jiras Reports are fixed (not working in 4.1.4) GSH changelog consumer Fix provisioning translation continue expression
2023/04 /19	i2incommon/grouper:4.1.4 sha256:ac1e9de4bbdddcff96 e024d4bed3fa165b8d167a76 5d57dfc982c05990ee609e	NOT STABLE Issue with reports	1 from v4.1.3	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.7	1 Jira Provisioning issue with start with due to bad build
2023/04 /18	i2incommon/grouper:4.1.3 sha256:270d29519a40ab8fa 873fc480b6bc765c4276442 d44fc6443a5e86905261ac3b	NOT STABLE	None from 4.1.2	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.6.10.1	11 Jiras Improve provisioning "start withs" and diagnostics Provisioning - ldap - bug with moving groups with Active Directory Provisioning - show entity attributes if select is false for hasMember (no entity link)
2023/04 /03	i2incommon/grouper:4.1.2 sha256:447f8bc1a408a7f37 7c16738d9cfe079352d1aeb0 85d710b2720aa03c3f98c4	EXPIRED	1 from v4.1.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.6	12 Jiras Security issue: upgrade commons fileupload to 1.5 Security issue: upgrade jettison to 1.5.4 Security issue: fix ipv6 UI configuration source addresses Provisioner fails when group or entity is there for translation purposes only Duo provisioner start with

2023/03 /26	i2incommon/grouper:4.1.1 sha256:998d0826fa6c3b277daeb86c15ae7481fd8604af7f5c24fadd9f566f08528845	EXPIRED Has issue with entity attributes and some security issues	3 from v4.0.3	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.87 Java Corretto: 17.0.6	35 Jiras Do not have default etc EveryEntity privs Add screen that shows provisioning errors Provisioning - bug with membership count for default value check Auto ddl 4.*.* should work Allow owners for teams groups in azure provisioning (on create only) Entity static attribute provisioning Improve LDAP and Azure provisioning 'start with' and diagnostics Add a provisioning setting with a group of members NOT to provision In provisioning, if an entity is not eligible, the memberships should be removed Ldap provisioning search filter fails when ldap_dn is the search attribute Ldap provisioner fails when there are multiple search attributes
2023/03 /13	i2incommon/grouper:4.0.3 sha256: c7afe275783d815fa75661f300745eedae135e4eb9100d4d9dff029a813847da	EXPIRED	None from 4.0.1	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.84 Java Corretto: 17.0.6	GRP-4618: JEXL script editor supported files were not included in build
2023/03 /10	i2incommon/grouper:4.0.1 sha256:ffb15e5290b10ec794671f4089226da09ce1a4daa546ba9b7bb7e4cf2b3dc6d6	EXPIRED JEXL script editor issue	4 from v2.6.19	Shib: 3.4.1 Apache: 2.4.37 Tomcat: 8.5.84 Java Corretto: 17.0.6	30 jiras GRP-4567: Replace Tomee with Tomcat and remove PSU SCIM Change to Rocky Linux Upgrade Java to 17 Rewrite provisioning framework internals to make more solid JEXL editor Library upgrades for security

For more information about upcoming plans, see the [Grouper Product Roadmap](#) .

See Also

[Grouper Release Announcements](#)