Unions

In this article

A union is a type of object representing many objects.

About unions ⬀

A [union](#) is a type of object representing many objects.

For example, a field marked as an `ProjectCardItem` could be an `Issue` or a `PullRequest` because each of those objects can be inside a project card. Using a union instead of an object gives you flexibility.

For more information, see "[Introduction to GraphQL](#)."

Assignee ⬀

Types that can be assigned to issues.

Possible types for `Assignee`

- `Bot`
- `Mannequin`
- `Organization`
- `User`

AuditEntryActor ⬀

Types that can initiate an audit log event.

Possible types for `AuditEntryActor`

- `Bot`
- `Organization`
- `User`

BranchActorAllowanceActor ⬀

Types which can be actors for `BranchActorAllowance` objects.

Possible types for `BranchActorAllowanceActor`

- `App`
- `Team`
- `User`

BypassActor ⬀

Types that can represent a repository ruleset bypass actor.

Possible types for `BypassActor`

- [App](#)
- [Team](#)

Claimable 🔗

An object which can have its data claimed or claim data from another.

Possible types for `Claimable`

- [Mannequin](#)
- [User](#)

Closer 🔗

The object which triggered a `ClosedEvent` .

Possible types for `Closer`

- [Commit](#)
- [PullRequest](#)

CreatedIssueOrRestrictedContribution 🔗

Represents either a issue the viewer can access or a restricted contribution.

Possible types for `CreatedIssueOrRestrictedContribution`

- [CreatedIssueContribution](#)
- [RestrictedContribution](#)

CreatedPullRequestOrRestrictedContribution 🔗

Represents either a pull request the viewer can access or a restricted contribution.

Possible types for `CreatedPullRequestOrRestrictedContribution`

- [CreatedPullRequestContribution](#)
- [RestrictedContribution](#)

CreatedRepositoryOrRestrictedContribution 🔗

Represents either a repository the viewer can access or a restricted contribution.

Possible types for `CreatedRepositoryOrRestrictedContribution`

- [CreatedRepositoryContribution](#)
- [RestrictedContribution](#)

DeploymentReviewer 🔗

Users and teams.

Possible types for `DeploymentReviewer`

- [Team](#)
- [User](#)

EnterpriseMember 🔗

An object that is a member of an enterprise.

Possible types for `EnterpriseMember`

- [EnterpriseUserAccount](#)
- [User](#)

IpAllowListOwner 🔗

Types that can own an IP allow list.

Possible types for `IpAllowListOwner`

- [App](#)
- [Enterprise](#)
- [Organization](#)

IssueOrPullRequest 🔗

Used for return value of Repository.issueOrPullRequest.

Possible types for `IssueOrPullRequest`

- [Issue](#)
- [PullRequest](#)

IssueTimelineItem 🔗

An item in an issue timeline.

Possible types for `IssueTimelineItem`

- [AssignedEvent](#)
- [ClosedEvent](#)
- [Commit](#)
- [CrossReferencedEvent](#)
- [DemilestonedEvent](#)
- [IssueComment](#)
- [LabeledEvent](#)
- [LockedEvent](#)
- [MilestonedEvent](#)
- [ReferencedEvent](#)
- [RenamedTitleEvent](#)
- [ReopenedEvent](#)
- [SubscribedEvent](#)

- [TransferredEvent](#)
- [UnassignedEvent](#)
- [UnlabeledEvent](#)
- [UnlockedEvent](#)
- [UnsubscribedEvent](#)
- [UserBlockedEvent](#)

IssueTimelineItems 🔗

An item in an issue timeline.

Possible types for `IssueTimelineItems`

- [AddedToProjectEvent](#)
- [AssignedEvent](#)
- [ClosedEvent](#)
- [CommentDeletedEvent](#)
- [ConnectedEvent](#)
- [ConvertedNoteToIssueEvent](#)
- [ConvertedToDiscussionEvent](#)
- [CrossReferencedEvent](#)
- [DemilestonedEvent](#)
- [DisconnectedEvent](#)
- [IssueComment](#)
- [LabeledEvent](#)
- [LockedEvent](#)
- [MarkedAsDuplicateEvent](#)
- [MentionedEvent](#)
- [MilestonedEvent](#)
- [MovedColumnsInProjectEvent](#)
- [PinnedEvent](#)
- [ReferencedEvent](#)
- [RemovedFromProjectEvent](#)
- [RenamedTitleEvent](#)
- [ReopenedEvent](#)
- [SubscribedEvent](#)
- [TransferredEvent](#)
- [UnassignedEvent](#)
- [UnlabeledEvent](#)
- [UnlockedEvent](#)
- [UnmarkedAsDuplicateEvent](#)
- [UnpinnedEvent](#)
- [UnsubscribedEvent](#)
- [UserBlockedEvent](#)

MilestoneItem 🔗

Types that can be inside a Milestone.

Possible types for `MilestoneItem`

- [Issue](#)
- [PullRequest](#)

OrgRestoreMemberAuditEntryMembership 🔗

Types of memberships that can be restored for an Organization member.

Possible types for `OrgRestoreMemberAuditEntryMembership`

- [OrgRestoreMemberMembershipOrganizationAuditEntryData](#)
- [OrgRestoreMemberMembershipRepositoryAuditEntryData](#)
- [OrgRestoreMemberMembershipTeamAuditEntryData](#)

OrganizationAuditEntry 🔗

An audit entry in an organization audit log.

Possible types for `OrganizationAuditEntry`

- [MembersCanDeleteReposClearAuditEntry](#)
- [MembersCanDeleteReposDisableAuditEntry](#)
- [MembersCanDeleteReposEnableAuditEntry](#)
- [OauthApplicationCreateAuditEntry](#)
- [OrgAddBillingManagerAuditEntry](#)
- [OrgAddMemberAuditEntry](#)
- [OrgBlockUserAuditEntry](#)
- [OrgConfigDisableCollaboratorsOnlyAuditEntry](#)
- [OrgConfigEnableCollaboratorsOnlyAuditEntry](#)
- [OrgCreateAuditEntry](#)
- [OrgDisableOauthAppRestrictionsAuditEntry](#)
- [OrgDisableSamlAuditEntry](#)
- [OrgDisableTwoFactorRequirementAuditEntry](#)
- [OrgEnableOauthAppRestrictionsAuditEntry](#)
- [OrgEnableSamlAuditEntry](#)
- [OrgEnableTwoFactorRequirementAuditEntry](#)
- [OrgInviteMemberAuditEntry](#)
- [OrgInviteToBusinessAuditEntry](#)
- [OrgOauthAppAccessApprovedAuditEntry](#)
- [OrgOauthAppAccessBlockedAuditEntry](#)
- [OrgOauthAppAccessDeniedAuditEntry](#)
- [OrgOauthAppAccessRequestedAuditEntry](#)
- [OrgOauthAppAccessUnblockedAuditEntry](#)
- [OrgRemoveBillingManagerAuditEntry](#)
- [OrgRemoveMemberAuditEntry](#)
- [OrgRemoveOutsideCollaboratorAuditEntry](#)
- [OrgRestoreMemberAuditEntry](#)
- [OrgUnblockUserAuditEntry](#)
- [OrgUpdateDefaultRepositoryPermissionAuditEntry](#)
- [OrgUpdateMemberAuditEntry](#)
- [OrgUpdateMemberRepositoryCreationPermissionAuditEntry](#)
- [OrgUpdateMemberRepositoryInvitationPermissionAuditEntry](#)

- [PrivateRepositoryForkingDisableAuditEntry](#)
- [PrivateRepositoryForkingEnableAuditEntry](#)
- [RepoAccessAuditEntry](#)
- [RepoAddMemberAuditEntry](#)
- [RepoAddTopicAuditEntry](#)
- [RepoArchivedAuditEntry](#)
- [RepoChangeMergeSettingAuditEntry](#)
- [RepoConfigDisableAnonymousGitAccessAuditEntry](#)
- [RepoConfigDisableCollaboratorsOnlyAuditEntry](#)
- [RepoConfigDisableContributorsOnlyAuditEntry](#)
- [RepoConfigDisableSockpuppetDisallowedAuditEntry](#)
- [RepoConfigEnableAnonymousGitAccessAuditEntry](#)
- [RepoConfigEnableCollaboratorsOnlyAuditEntry](#)
- [RepoConfigEnableContributorsOnlyAuditEntry](#)
- [RepoConfigEnableSockpuppetDisallowedAuditEntry](#)
- [RepoConfigLockAnonymousGitAccessAuditEntry](#)
- [RepoConfigUnlockAnonymousGitAccessAuditEntry](#)
- [RepoCreateAuditEntry](#)
- [RepoDestroyAuditEntry](#)
- [RepoRemoveMemberAuditEntry](#)
- [RepoRemoveTopicAuditEntry](#)
- [RepositoryVisibilityChangeDisableAuditEntry](#)
- [RepositoryVisibilityChangeEnableAuditEntry](#)
- [TeamAddMemberAuditEntry](#)
- [TeamAddRepositoryAuditEntry](#)
- [TeamChangeParentTeamAuditEntry](#)
- [TeamRemoveMemberAuditEntry](#)
- [TeamRemoveRepositoryAuditEntry](#)

OrganizationOrUser 🔗

Used for argument of CreateProjectV2 mutation.

Possible types for `OrganizationOrUser`

- [Organization](#)
- [User](#)

PermissionGranter 🔗

Types that can grant permissions on a repository to a user.

Possible types for `PermissionGranter`

- [Organization](#)
- [Repository](#)
- [Team](#)

PinnableItem 🔗

Types that can be pinned to a profile page.

Possible types for `PinnableItem`

- [Gist](#)
- [Repository](#)

ProjectCardItem 🔗

Types that can be inside Project Cards.

Possible types for `ProjectCardItem`

- [Issue](#)
- [PullRequest](#)

ProjectV2Actor 🔗

Possible collaborators for a project.

Possible types for `ProjectV2Actor`

- [Team](#)
- [User](#)

ProjectV2FieldConfiguration 🔗

Configurations for project fields.

Possible types for `ProjectV2FieldConfiguration`

- [ProjectV2Field](#)
- [ProjectV2IterationField](#)
- [ProjectV2SingleSelectField](#)

ProjectV2ItemContent 🔗

Types that can be inside Project Items.

Possible types for `ProjectV2ItemContent`

- [DraftIssue](#)
- [Issue](#)
- [PullRequest](#)

ProjectV2ItemFieldValue 🔗

Project field values.

Possible types for `ProjectV2ItemFieldValue`

- [ProjectV2ItemFieldDateValue](#)
- [ProjectV2ItemFieldIterationValue](#)
- [ProjectV2ItemFieldLabelValue](#)

- [ProjectV2ItemFieldMilestoneValue](#)
- [ProjectV2ItemFieldNumberValue](#)
- [ProjectV2ItemFieldPullRequestValue](#)
- [ProjectV2ItemFieldRepositoryValue](#)
- [ProjectV2ItemFieldReviewerValue](#)
- [ProjectV2ItemFieldSingleSelectValue](#)
- [ProjectV2ItemFieldTextValue](#)
- [ProjectV2ItemFieldUserValue](#)

PullRequestTimelineItem 🔗

An item in a pull request timeline.

Possible types for `PullRequestTimelineItem`

- [AssignedEvent](#)
- [BaseRefDeletedEvent](#)
- [BaseRefForcePushedEvent](#)
- [ClosedEvent](#)
- [Commit](#)
- [CommitCommentThread](#)
- [CrossReferencedEvent](#)
- [DemilestonedEvent](#)
- [DeployedEvent](#)
- [DeploymentEnvironmentChangedEvent](#)
- [HeadRefDeletedEvent](#)
- [HeadRefForcePushedEvent](#)
- [HeadRefRestoredEvent](#)
- [IssueComment](#)
- [LabeledEvent](#)
- [LockedEvent](#)
- [MergedEvent](#)
- [MilestonedEvent](#)
- [PullRequestReview](#)
- [PullRequestReviewComment](#)
- [PullRequestReviewThread](#)
- [ReferencedEvent](#)
- [RenamedTitleEvent](#)
- [ReopenedEvent](#)
- [ReviewDismissedEvent](#)
- [ReviewRequestRemovedEvent](#)
- [ReviewRequestedEvent](#)
- [SubscribedEvent](#)
- [UnassignedEvent](#)
- [UnlabeledEvent](#)
- [UnlockedEvent](#)
- [UnsubscribedEvent](#)
- [UserBlockedEvent](#)

PullRequestTimelineItems 🔗

An item in a pull request timeline.

Possible types for `PullRequestTimelineItems`

- [AddedToMergeQueueEvent](#)
- [AddedToProjectEvent](#)
- [AssignedEvent](#)
- [AutoMergeDisabledEvent](#)
- [AutoMergeEnabledEvent](#)
- [AutoRebaseEnabledEvent](#)
- [AutoSquashEnabledEvent](#)
- [AutomaticBaseChangeFailedEvent](#)
- [AutomaticBaseChangeSucceededEvent](#)
- [BaseRefChangedEvent](#)
- [BaseRefDeletedEvent](#)
- [BaseRefForcePushedEvent](#)
- [ClosedEvent](#)
- [CommentDeletedEvent](#)
- [ConnectedEvent](#)
- [ConvertToDraftEvent](#)
- [ConvertedNoteToIssueEvent](#)
- [ConvertedToDiscussionEvent](#)
- [CrossReferencedEvent](#)
- [DemilestonedEvent](#)
- [DeployedEvent](#)
- [DeploymentEnvironmentChangedEvent](#)
- [DisconnectedEvent](#)
- [HeadRefDeletedEvent](#)
- [HeadRefForcePushedEvent](#)
- [HeadRefRestoredEvent](#)
- [IssueComment](#)
- [LabeledEvent](#)
- [LockedEvent](#)
- [MarkedAsDuplicateEvent](#)
- [MentionedEvent](#)
- [MergedEvent](#)
- [MilestonedEvent](#)
- [MovedColumnsInProjectEvent](#)
- [PinnedEvent](#)
- [PullRequestCommit](#)
- [PullRequestCommitCommentThread](#)
- [PullRequestReview](#)
- [PullRequestReviewThread](#)
- [PullRequestRevisionMarker](#)
- [ReadyForReviewEvent](#)
- [ReferencedEvent](#)
- [RemovedFromMergeQueueEvent](#)
- [RemovedFromProjectEvent](#)
- [RenamedTitleEvent](#)
- [ReopenedEvent](#)
- [ReviewDismissedEvent](#)

- ReviewRequestRemovedEvent
- ReviewRequestedEvent
- SubscribedEvent
- TransferredEvent
- UnassignedEvent
- UnlabeledEvent
- UnlockedEvent
- UnmarkedAsDuplicateEvent
- UnpinnedEvent
- UnsubscribedEvent
- UserBlockedEvent

PushAllowanceActor 🔗

Types that can be an actor.

Possible types for `PushAllowanceActor`

- [App](App)
- Team
- User

Reactor 🔗

Types that can be assigned to reactions.

Possible types for `Reactor`

- [Bot](Bot)
- Mannequin
- Organization
- User

ReferencedSubject 🔗

Any referencable object.

Possible types for `ReferencedSubject`

- Issue
- PullRequest

RenamedTitleSubject 🔗

An object which has a renamable title.

Possible types for `RenamedTitleSubject`

- Issue
- PullRequest

RequestedReviewer 🔗

Types that can be requested reviewers.

Possible types for `RequestedReviewer`

- Bot
- Mannequin
- Team
- User

ReviewDismissalAllowanceActor 🔗

Types that can be an actor.

Possible types for `ReviewDismissalAllowanceActor`

- App
- Team
- User

RuleParameters 🔗

Types which can be parameters for `RepositoryRule` objects.

Possible types for `RuleParameters`

- BranchNamePatternParameters
- CommitAuthorEmailPatternParameters
- CommitMessagePatternParameters
- CommitterEmailPatternParameters
- PullRequestParameters
- RequiredDeploymentsParameters
- RequiredStatusChecksParameters
- TagNamePatternParameters
- UpdateParameters
- WorkflowsParameters

RuleSource 🔗

Types which can have `RepositoryRule` objects.

Possible types for `RuleSource`

- Organization
- Repository

SearchResultItem 🔗

The results of a search.

Possible types for `SearchResultItem`

- [App](#)
- [Discussion](#)
- [Issue](#)
- [MarketplaceListing](#)
- [Organization](#)
- [PullRequest](#)
- [Repository](#)
- [User](#)

Sponsor 🔗

Entities that can sponsor others via GitHub Sponsors.

Possible types for `Sponsor`

- [Organization](#)
- [User](#)

SponsorableItem 🔗

Entities that can be sponsored via GitHub Sponsors.

Possible types for `SponsorableItem`

- [Organization](#)
- [User](#)

SponsorsListingFeatureableItem 🔗

A record that can be featured on a GitHub Sponsors profile.

Possible types for `SponsorsListingFeatureableItem`

- [Repository](#)
- [User](#)

StatusCheckRollupContext 🔗

Types that can be inside a StatusCheckRollup context.

Possible types for `StatusCheckRollupContext`

- [CheckRun](#)
- [StatusContext](#)

VerifiableDomainOwner 🔗

Types that can own a verifiable domain.

Possible types for `VerifiableDomainOwner`

- [Enterprise](#)
- [Organization](#)

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