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| artifact |
| **TYPE:** Behavior |
| NAME: Roles |
| aliases: |
| * Groups |
|  |
| artifact SymbolS |
| * Visual Symbol 🡪 <i>r</i> |
| * Tooling Symbol 🡪 r |
|  |
| controlUri: ../../../../../../artifacts/behaviors/roles/roles.proto |
| artifact Definition |
| Business Description:A token can have behaviors that the class will restrict invocations to a select set of parties or accounts that are members of a role or group. This is a generic behavior that can apply to a token many times to represent many role definitions within the template. |
| business Example |
| Analogies |
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| Name: Analogy 1 |
| Description: roles analogy 1 description |
| Artifact Definition: *insert definition here* |
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|  |
| comments: *Roles has a constructor control that creates roles and applies them to certain behaviors of the token at creation of the class from the template* |
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| incompatible With the following Symbols |
|  |
| * Visual Symbol 🡪 |
| * Tooling Symbol 🡪 |
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| influenced By these Symbols |
|  |
| description Roles is common to implement to provide authorization checks for invoking the behavior. |
| symbol |
| Visual Symbol 🡪 |
| Tooling Symbol 🡪 |
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| artifact Files |
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| Content: CONTROL |
| File Name: roles.proto |
| File Data: |
|  |
| content UML |
| File Name: roles.md |
| File Data: |
| maps |
| Code References: |
| Mapping Type: SOURCE\_CODE |
| Name: Code 1 |
| Platform: DAML |
| Reference Path: |
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| implementation References |
|  |
| Mapping Type: IMPLEMENTATION |
| Name: Implementation 1 |
| Platform: CHAINCODE\_GO |
| Reference Path: |
| Maps: |
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| resources |
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| Mapping Type: RESOURCE |
| Name: Regulation Reference 1 |
| Description: |
| Resource Path |
| Maps: |
|  |
| |  | | --- | | invocations: | |  | | Name: RoleCheck | | Description: Internal invocation when the applied behavior is called to check if the requestor is a member of the role. | | Request: | | Control Message Name: IsInRole | | Description: The request | | input Parameters: | |  | | Name: AccountId | | Value Description: AccountId of the requestor. | |  | |  | |  | | response: | | Control Message Name: True/False | | Description: The response | | output Parameters: | |  | | Name: IsInRole | | ValueDescription: True/False | |  | |  | |  | |  | |  | | Properties: | |  | | Name: Role | | Value Description: Name of a role that can have a list of accounts in the role. | | property Invocations: | |  | | Name: GetRoleMembers | | Description: The property value. | | Request: | | Control Message Name: GetRoleMembersRequest | | Fescription: | | input Parameters: | |  | | Name: RoleName | | Value Description: Name of the Role | |  | |  | |  | | response: | | Control Message Name: GetRoleMembersResponse | | Description: Return value | | output Parameters: | |  | | Name: Accounts | | Value Description: value of property | |  | |  | |  | |  | |  | | Name: AddRoleMember | | Description: Add a party or account to a particular role. | | Request: | | Control Message Name: AddRoleMemberRequest | | Fescription: | | input Parameters: | |  | | Name: RoleId | | Value Description: Name or Id of the Role | |  | |  | | Name: AccountId | | Value Description: Id of account to add to the Role | |  | |  | |  | | response: | | Control Message Name: AddRoleMemberResponse | | Description: Return value | | output Parameters: | |  | | Name: Confirmation | | Value Description: A confirmation receipt or error may be returned to the invoker based on the outcome of the request. | |  | |  | |  | |  | |  | | Name: RemoveRoleMember | | Description: Remove a party or account to a particular role | | Request: | | Control Message Name: RemoveRoleMemberRequest | | Fescription: | | input Parameters: | |  | | Name: RoleId | | Value Description: Name or Id of the Role | |  | |  | | Name: AccountId | | Value Description: Id of account to add to the Role | |  | |  | |  | | response: | | Control Message Name: RemoveRoleMemberResponse | | Description: Return value | | Output Parameters: | |  | | Name: Confirmation | | Value Description: A confirmation receipt or error may be returned to the invoker based on the outcome of the request. | |  | |  | |  | |  | |  | |  | |  | |  | |
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