

**NAME**

User::Identity::Collection::Systems – a collection of system descriptions

**INHERITANCE**

```
User::Identity::Collection::Systems
  is a User::Identity::Collection
  is a User::Identity::Item
```

**SYNOPSIS****DESCRIPTION**

The User::Identity::Collection::Systems object maintains a set User::Identity::System objects, each describing a login for the user on some system.

Extends “DESCRIPTION” in User::Identity::Collection.

**OVERLOADED**

Extends “OVERLOADED” in User::Identity::Collection.

overload: @{}  
 Inherited, see “OVERLOADED” in User::Identity::Collection

overload: **stringification**  
 Inherited, see “OVERLOADED” in User::Identity::Collection

**METHODS**

Extends “METHODS” in User::Identity::Collection.

**Constructors**

Extends “Constructors” in User::Identity::Collection.

```
User::Identity::Collection::Systems->new( [$name], %options )
  -Option      --Defined in      --Default
  description   User::Identity::Item      undef
  item_type     User::Identity::Collection User::Identity::System
  name          User::Identity::Item      'systems'
  parent        User::Identity::Item      undef
  roles         User::Identity::Collection undef

  description => STRING
  item_type => CLASS
  name => STRING
  parent => OBJECT
  roles => ROLE|ARRAY
```

**Attributes**

Extends “Attributes” in User::Identity::Collection.

\$obj->**description()**

Inherited, see “Attributes” in User::Identity::Item

\$obj->**itemType()**

Inherited, see “Attributes” in User::Identity::Collection

\$obj->**name**( [\$newname] )

Inherited, see “Attributes” in User::Identity::Item

\$obj->**roles()**

Inherited, see “Attributes” in User::Identity::Collection

**Collections**

Extends “Collections” in User::Identity::Collection.

\$obj->**add**(\$collection, \$role)

Inherited, see “Collections” in User::Identity::Item

`$obj->addCollection( $object | <[$type], %options> )`

Inherited, see “Collections” in User::Identity::Item

`$obj->collection($name)`

Inherited, see “Collections” in User::Identity::Item

`$obj->parent( [$parent] )`

Inherited, see “Collections” in User::Identity::Item

`$obj->removeCollection($object|$name)`

Inherited, see “Collections” in User::Identity::Item

`$obj->type()`

User::Identity::Collection::Systems->type()

Inherited, see “Collections” in User::Identity::Item

`$obj->user()`

Inherited, see “Collections” in User::Identity::Item

### Maintaining roles

Extends “Maintaining roles” in User::Identity::Collection.

`$obj->addRole($role| <[$name],%options> | ARRAY)`

Inherited, see “Maintaining roles” in User::Identity::Collection

`$obj->removeRole($role|$name)`

Inherited, see “Maintaining roles” in User::Identity::Collection

`$obj->renameRole( <$role|$oldname>, $newname )`

Inherited, see “Maintaining roles” in User::Identity::Collection

`$obj->sorted()`

Inherited, see “Maintaining roles” in User::Identity::Collection

### Searching

Extends “Searching” in User::Identity::Collection.

`$obj->find($name|CODE|undef)`

Inherited, see “Searching” in User::Identity::Collection

## DIAGNOSTICS

Error: `$object` is not a collection.

The first argument is an object, but not of a class which extends User::Identity::Collection.

Error: Cannot create a `$type` to add this to my collection.

Some options are specified to create a `$type` object, which is native to this collection. However, for some reason this failed.

Error: Cannot load collection module for `$type` (`$class`).

Either the specified `$type` does not exist, or that module named `$class` returns compilation errors.

If the type as specified in the warning is not the name of a package, you specified a nickname which was not defined. Maybe you forgot the `'require'` the package which defines the nickname.

Error: Cannot rename `$name` into `$newname`: already exists

Error: Cannot rename `$name` into `$newname`: doesn't exist

Error: Creation of a collection via `$class` failed.

The `$class` did compile, but it was not possible to create an object of that class using the options you specified.

Error: Don't know what type of collection you want to add.

If you add a collection, it must either be a collection object or a list of options which can be used to create a collection object. In the latter case, the type of collection must be specified.

Warning: No collection \$name

The collection with \$name does not exist and can not be created.

Error: Wrong type of role for \$collection: requires a \$expect but got a \$type

Each \$collection groups sets of roles of one specific type (\$expect). You cannot add objects of a different \$type.

## SEE ALSO

This module is part of User-Identity distribution version 1.01, built on February 11, 2022. Website:  
*<http://perl.overmeer.net/CPAN/>*

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