

globus authz

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1 Module Index

1.1 Modules

Here is a list of all modules:

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2 Module Documentation

2.1 GSI Authorization API

Initialize Handle

- globus_result_t [globus_gsi_authz_handle_init](#) (globus_gsi_authz_handle_t *handle, const char *service_name, const gss_ctx_id_t context, globus_gsi_authz_cb_t callback, void *callback_arg)

Authorization decision made here

- globus_result_t [globus_gsi_authorize](#) (globus_gsi_authz_handle_t handle, const void *action, const void *object, globus_gsi_authz_cb_t callback, void *callback_arg)

Destroy Handle

- globus_result_t [globus_gsi_authz_handle_destroy](#) (globus_gsi_authz_handle_t handle, globus_gsi_authz_cb_t callback, void *callback_arg)

Query for authorization identity

- globus_result_t [globus_gsi_authz_get_authorization_identity](#) (globus_gsi_authz_handle_t handle, char **identity_ptr, globus_gsi_authz_cb_t callback, void *callback_arg)

2.1.1 Function Documentation

2.1.1.1 `globus_result_t globus_gsi_authz_handle_init (globus_gsi_authz_handle_t * handle, const char * service_name, const gss_ctx_id_t context, globus_gsi_authz_cb_t callback, void * callback_arg)`

Initializes a handle.

Parameters

handle Pointer to the handle that is to be initialized
service_name Service to authorize access to
context Security context used to contact the service
callback Callback function to call when authz handle init completes
callback_arg Argument to callback function

Returns

GLOBUS_SUCCESS if successful A Globus error object on failure:

2.1.1.2 `globus_result_t globus_gsi_authorize (globus_gsi_authz_handle_t handle, const void * action, const void * object, globus_gsi_authz_cb_t callback, void * callback_arg)`

Authorization decision made here.

Parameters

handle Pointer to the handle that is to be initialized
action Action to authorize
object Object that the action pertains to.
callback Callback function to call when authorization completes
callback_arg Argument to callback function

Returns

GLOBUS_SUCCESS if successful A Globus error object on failure:

2.1.1.3 `globus_result_t globus_gsi_authz_handle_destroy (globus_gsi_authz_handle_t handle, globus_gsi_authz_cb_t callback, void * callback_arg)`

Destroy a Globus GSI authz handle.

Parameters

handle The handle that is to be destroyed
callback Callback function to call when handle is destroyed
callback_arg Argument to callback function

Returns

GLOBUS_SUCCESS

2.1.1.4 `globus_result_t globus_gsi_authz_get_authorization_identity (globus_gsi_authz_handle_t handle, char ** identity_ptr, globus_gsi_authz_cb_t callback, void * callback_arg)`

Query for authorization identity.

Parameters

handle The handle that is to be used for the identity check.

identity_ptr The authorization identity determined by the authorization handle. This is must be freed by the caller. If the value is NULL (and this function returned GLOBUS_SUCCESS), the caller should use the authenticated identity.

callback Callback function to call when identity is determined.

callback_arg Argument to callback function.

Returns

GLOBUS_SUCCESS

2.2 GSI Credential Constants

Enumerations

- enum `globus_gsi_authz_error_t` {
 GLOBUS_GSI_AUTHZ_ERROR_SUCCESS = 0,
 GLOBUS_GSI_AUTHZ_ERROR_ERRNO = 1,
 GLOBUS_GSI_AUTHZ_ERROR_BAD_PARAMETER = 2,
 GLOBUS_GSI_AUTHZ_ERROR_CALLOUT = 3 }

2.2.1 Enumeration Type Documentation

2.2.1.1 enum `globus_gsi_authz_error_t`

GSI Authz Error codes.

Enumerator:

GLOBUS_GSI_AUTHZ_ERROR_SUCCESS Success.

GLOBUS_GSI_AUTHZ_ERROR_ERRNO Error with system call.

GLOBUS_GSI_AUTHZ_ERROR_BAD_PARAMETER Invalid parameter.

GLOBUS_GSI_AUTHZ_ERROR_CALLOUT Callout returned an error.

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