globus authz

2.1

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1.1 Modules

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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.