Genesys Events and Models Reference

Subscribing to Transaction Monitoring

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Subscribing to Transaction Monitoring

To initiate transaction monitoring, your code must call the following function.

TTransactionMonitoring

This function requests a T-Server to start, stop, or modify a subscription to the Transaction Monitoring Feature notifications. If a request is successful (EventACK), EventTransactionStatus (EventTransactionStatus) is distributed to the requestor.

Syntax

```
int TTransactionMonitoring (
        TServer                         tserver_handle,
        TSubscriptionOperationType      subscription_operation,
        const char                      * subscription_identifier,
        const TKVList                    * subscription_rules
);
```

Parameters

- `tserver_handle`—Local server handle to the T-Server in question.

- `subscription_operation`—This parameter represents an operation on a subscription to Transaction Monitoring Feature notifications. Its value is one of TSubscriptionOperationType. A value of this parameter should be provided by the T-Server client.

- `subscription_identifier`—This parameter represents a subscription identifier. A value should be NULL for the operation SubscriptionStart. For other operations its value should be taken from the message EventACK. It is generated by a T-Server on a creation of a new subscription.

- `subscription_rules`—This parameter contains subscription rules. A value of this parameter should be provided by the T-Server client. Its value should be NULL for the operation SubscriptionStop. See Subscription Rules for details.

Return Values

The Transaction Monitoring Feature return value is a standard return value for the T-Library API:

- >0—Reference number (ReferenceID) assigned to this request by the T-Library API.
- <0—Error condition.

Subscription Rules

Subscription rules are provided by T-Server clients and passed as part of a `notify` key-value pair in the `Extensions` attribute for `RequestTransactionMonitoring`. They are represented as a key-value list.

Every subscription rule key-value pair contains a notification mode for one element. The key represents the name of the element. The value represents the requested notification mode. If no key has as its name a given element, then that element's default notification mode is used. See Transaction Monitoring Elements for the list of all default notification modes.

Example

The following is an example `RequestTransactionMonitoring` with subscription rules included:

```
AttributeReferenceID reference-id-1
AttributeSubscriptionOperation SubscriptionStart
AttributeExtensions
        notify (list)
                class.name always
                object.local-id always
                iscc.transaction.state always
                iscc.direction.role once
                iscc.is-link-creation never
```

The local attribute `object.local-id` represents a unique identifier of the Local Transaction Instance. The value of this attribute is different from the value of the Global Identifier attribute.