



Error Handling And Troubleshooting

What each HTTP status means, which authorization layer to check first, and the diagnostic path that resolves most failures without guesswork.



Most failures resolve to one of four statuses, and each points at a different layer.

Status	Cause	What to verify
400	Missing object name, report name or variant	Verify the mandatory <code>id</code> parameter and the report <code>variant</code>
401	SAP user not authorized	Check the CGR whitelist and SAP objects: <code>S_TABU_DIS</code> , <code>S_TABU_NAM</code> , <code>S_RFC</code> , <code>S_SCOPE</code>
404	Table, function or report inactive or missing	Verify the exact object name in the target backend system
500	Runtime error, database issue or lock	Find the request in <code>/CGR/MONI</code> , then review <code>ST22</code> dumps

AUTHORIZATION FAILURES, IN THE ORDER TO CHECK THEM

- 1 Authentication.** SICF logon succeeds, or the OData bearer token is valid and not expired.
- 2 OAuth scope.** Client and SAP role authorize the `/CGR/CONN_SRV` scope via `S_SCOPE` .
- 3 CGR whitelist.** The SAP user is configured in `/CGR/API_AUTH` for the object, or an applicable type or pattern.
- 4 Standard authorization.** The user holds `S_TABU_DIS` , `S_TABU_NAM` or `S_RFC` .



-  **Endpoint not found.** Confirm the `cgr/api` nodes are active (SICF), or that `/CGR/CONN_SRV` is registered (OData).
-  **Wrong backend.** Verify the `sap-system` alias, the `BACKEND` entry in `/CGR/RFC_DEST`, and the RFC destination itself.
-  **Object not found.** Confirm the table, view, report, query or function exists and is active in the backend.
-  **Execution failed.** Review the connector response, and `ST22` for dumps or database failures.

THE DIAGNOSTIC PATH

- 1** Record the HTTP method, the complete URL, the timestamp, the response status and the `MESSAGE_ID`.
- 2** Locate the execution in `/CGR/MONI` or `/CGR/API_LOG`.
- 3** Inspect the request payload for object name, variant, parameters and backend alias.
- 4** Inspect the response payload and reason.
- 5** Based on the status, check service activation, OAuth scope, CGR whitelist, SAP authorizations or `ST22`.
- 6** Repeat a minimal request after correcting the configuration.

CGR SOFTWARE

If the path above does not resolve it, send us the `MESSAGE_ID`.

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