**🔹 Server-Side Glide APIs (runs on the server)**

Used in: **Business Rules, Script Includes, Scheduled Jobs, Script Actions, etc.**  
These APIs interact directly with the **database** and **server resources**.

**Common Server-Side Glide APIs**

* **GlideRecord** – CRUD operations on tables.

var gr = new GlideRecord("incident");

gr.addQuery("priority", "1");

gr.query();

while (gr.next()) {

gs.info(gr.number);

}

* **GlideSystem (gs)** – Logging, messaging, system utilities.

gs.log("Hello from server-side!");

var user = gs.getUserName();

* **GlideDateTime / GlideDuration** – Work with dates & times.

var gdt = new GlideDateTime();

gs.info(gdt.getDisplayValue());

* **GlideAggregate** – Aggregate queries (COUNT, SUM, MIN, MAX).

var ga = new GlideAggregate('incident');

ga.addAggregate('COUNT');

ga.query();

if (ga.next()) {

gs.info("Total incidents: " + ga.getAggregate('COUNT'));

}

**🔹 Client-Side Glide APIs (runs in the browser)**

Used in: **Client Scripts, UI Policies, UI Scripts, Catalog Client Scripts, etc.**  
These APIs interact with the **form fields and UI**, not directly with the DB.

**Common Client-Side Glide APIs**

* **g\_form** – Manipulate form fields.

g\_form.setValue("short\_description", "Test value");

g\_form.hideFieldMsg("short\_description");

* **g\_user** – Information about the logged-in user.

alert("Current user: " + g\_user.userName);

if (g\_user.hasRole("itil")) {

alert("You are an ITIL user.");

}

* **g\_scratchpad** – Pass server-side values to client-side.  
  *(Usually set in Business Rule → accessible in Client Script)*

alert("Scratchpad value: " + g\_scratchpad.myVariable);

* **GlideAjax** – Call server-side Script Include (Client Callable).

var ga = new GlideAjax('MyScriptInclude');

ga.addParam('sysparm\_name', 'getIncident');

ga.addParam('sys\_id', g\_form.getUniqueValue());

ga.getXMLAnswer(function(response) {

alert("Incident info: " + response);

});

* **g\_list** (List v3 only) – Used in List layouts.

var selected = g\_list.getChecked();

alert("Selected records: " + selected);

✅ **Quick Summary**

* **Server-side Glide APIs**: GlideRecord, GlideSystem (gs), GlideDateTime, GlideAggregate
* **Client-side Glide APIs**: g\_form, g\_user, g\_scratchpad, GlideAjax, g\_list