

Base Language - Feature #5009

add OS-USERID function as 4GL extension

11/17/2020 05:50 PM - Greg Shah

|                 |           |                 |           |
|-----------------|-----------|-----------------|-----------|
| Status:         | Closed    | Start date:     |           |
| Priority:       | Normal    | Due date:       |           |
| Assignee:       | Greg Shah | % Done:         | 100%      |
| Category:       |           | Estimated time: | 0.00 hour |
| Target version: |           |                 |           |
| billable:       | No        | vendor_id:      | GCD       |
| Description     |           |                 |           |

History

#1 - 11/17/2020 06:04 PM - Greg Shah

- Subject changed from add OS-USER function as 4GL extension to add OS-USERID function as 4GL extension

We have a customer that needs to access the OS user id/name. It seems a poor approach to force the customer to write OS-specific shell commands or native API calls.

In [#2116](#) we implemented support for userid and setuserid in conjunction with the `_user` table. As part of that task, it was discussed that when `_user` was not in use, that the `userid` returns the OS user name. FWD does not seem to implement this behavior. But even if we did support it, it would not work in all cases because some customers do use `_user`.

In this task we will add a 4GL extension to report the OS user name as a character value. I believe we already have this in the `ClientParameters` instance of each session, so it should be pretty easy:

- Add parser support for a new token, a new keyword and a new built-in "function" (that is really a global character variable `OS-USERID`).
- Add conversion support in `variable_references.rules` for the conversion to `SecurityOps.getOSUserId()`.
- Add `SecurityOps.getOSUserId()` which will use `ClientParameter.osUserName`. The instance can be obtained by `StandardServer.getClientParameters()`.
- Add gap marking for the new function.

#2 - 11/25/2020 01:45 PM - Greg Shah

I've implemented this feature in 3821c revision 11837.

Example code:

```
message "OS-USERID = '" + os-userid + "'; USERID = '" + USERID + "'".
```

If the current user's name is "greg" and there is no `_user` database login active, then this will result in the following message text:

```
OS-USERID = 'greg'; USERID = ''
```

**#3 - 11/25/2020 01:59 PM - Greg Shah**

- *% Done changed from 0 to 100*
- *Assignee set to Greg Shah*
- *Status changed from New to Test*

Documentation is available in [OS-USERID](#).

**#4 - 03/19/2021 07:29 AM - Greg Shah**

- *Status changed from Test to Closed*