z/OS

UNIX System Services: APAR OA27451

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About this document

This document supports APAR OA27451 for z/OS UNIX System Services. This document is only available on the z/OS UNIX System Services Web site at: http://www.ibm.com/servers/eserver/zseries/zos/unix/release/apar.html

Updates to z/OS UNIX System Services Programming: Assembler Callable Services

This section contains updates to z/OS UNIX System Services Programming: Assembler Callable Services, GA22-7803.

In the description of the **getgrgid** (BPX1GGI, BPX4GGI) service:

- In the "Return_value" section, under "Length", add the following sentence:

  If an entry is found and function code ThliEP_GidNameSet was set in ThliEP_FunctionCode prior to making this call, then Return_value is set to the address of the area in the BPXYTHLI where group name length and group name are set, as per the BPXYGIDS macro.

- Add the following usage note:

  You can request to have just the group name of the specified GID returned instead of the group name and all of the members of the group. This will improve performance because just one group name look-up is done. To request this function, set the ThliEP_FunctionCode field with function code ThliEP_GIDNameSet prior to issuing the syscall. On successful return, the following values are set:

  - ThliEP_GIDNameLen is set to the length of the returned group name; valid values are 1-8.
  - ThliEP_GIDName is set to the group name of the specified GID.
  - ThliEP_GIDLen is always set to 4, the length of a GID.
  - ThliEP_GID is the GID specified on input.
  - ThliEP_GroupCount is always set to 0.

  Return_value is set to the output area. This is mapped by both the ThliExtendedGIDName structure in "BPXYTHLI – Thread-level information" in Appendix B, and by "BPXYGIDS – Map data returned for getgrnam and getpgrpid" in Appendix B. If no entry for the specified group ID is found, Return_value is set to 0.

  The ThliEP_FunctionCode is cleared prior to returning to the caller; so, the invoker will need to set the ThliEp_FunctionCode before each invocation of the BPX1GGI/BPX4GGI service if the ThliEP_GIDNameSet function is to be used.

In the description of the **getgrnam** (BPX1GGN, BPX4GGN) service:

- In the "Return_value" section, under "Length", add the following sentence:

  If an entry is found and function code ThliEP_GidNameSet was set in ThliEP_FunctionCode prior to making this call, then Return_value is set to the address| of the area in the BPXYTHLI where the GID is set, as per the BPXYGIDS macro.

- Add the following usage note:

  You can request to have just the GID of the specified group name returned without any information about the other group members. This will improve performance because just one group name look-up is done. To request this function, set the ThliEP_FunctionCode field with function code ThliEP_GIDNameSet prior to issuing the syscall. On successful return, the following values are set:

  - ThliEP_GIDNameLen is set to the length of the specified group name length; valid values are 1-8.
  - ThliEP_GIDName is set to the specified group name.

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- – ThliEP_GIDLen is always set to 4, the length of a GID.
- – ThliEP_GID is the GID associated with the input group name.
- – ThliEP_GroupCount is always set to 0.

Return_value is set to the output area. This is mapped by both the ThliExtendedGIDName structure in "BPXYTHLI – Thread-level information" in Appendix B, and by "BPXYGIDS – Map data returned for getgrnam and getpgrpid" in Appendix B. If no entry for the specified group ID is found, Return_value is set to 0.

The ThliEP_FunctionCode is cleared prior to returning to the caller; so, the invoker will need to set the ThliEp_FunctionCode before each invocation of the BPX1GGI/BPX4GGI service if the ThliEP_GIDNameSet function is to be used.

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