TO: MIB DISTRIBUTION

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SUBJECT: ONLINE INSTALLATION CHANGES


The following is a list of changes to the standard service system, maintenance tools, author maintained and installation maintained libraries for the week beginning October 07, 1974.

HOW TO READ THIS LISTING:

Each modification is preceded by the MCR number covering it (if there is one), and a brief explanation of the change.

This information is followed by the name of the object segment, help file, include file, or bound segment (or group of the above) involved in the modification.

Also given is the date and time of installation, and the name of the system library to which the change was made.

For bound segments, a list of the components follows, as well as the action which was taken with regard to each component.

An explanation does not accompany the listing of a segment which was "de-installed", or removed because of some problem, but the original installation information may be considered inoperative.

*****
MCR 713: Component open_seq_file in bound_vfile_ was replaced to
fix a bug that prevents the use of sequential files. Also fixed
was an error resulting from the attempt to backspace beyond the
beginning of a segment.

10/08/74   1439.0      bound_vfile_ replaced in SSS

        replaced:      open_seq_file

*****
MCR 774: The daily_summary command in bound_admin_rtnes_ was
replaced to fix bug number 327, an uninitialized variable
producing huge totals.

10/08/74   1457.5      bound_admin_rtnes_ replaced in TOOLS

        replaced:      daily_summary

*****
No MCR: Segment cards.info was added to IIS. Segment doc.info
was replaced in IIS. Please type "help doc" and "help cards".

10/08/74   1539.3      cards.info added to IIS

10/08/74   1539.3      documentation.info replaced in IIS

*****
MCR 650: The file manager was moved from LANG to AM so that it
may still be used for v1pl1, even though it is obsolete.


10/08/74   1639.1      bound_fm_ moved from LANG to AM

        moved:         fm_
                       create_file
                       delete_file
                       open_file
                       close_file
                       position_file
                       create_record
                       delete_record
                       get_record_ptr
                       get_record_key
                       change_record_size
                       lock_file
                       unlock_file
                       lock_record
                       unlock_record
                       clear_old_locks
                       clear_my_locks
                       acl_add
                       acl_add1
                       acl_replace
                       acl_delete
                       acl_list
                       open
                       close
                       alloc_file

2)

```
                        free_file
                        alloc_info
                        free_info
                        get_fcbp
                        search_fcb
                        lock_fd
                        update
                        grow
                        rebuild_ht
                        get_rdp
                        search_key
                        hash_key
                        thread
                        unthread
                        salvager
                        slv_file
                        slv_info
                        file_man_init
                        its
                        ascii
                        trace
                        get_uid_36
                        check_access
                        lock
                        unlock
                        wait
                        notify
                        apt_man
                        lockt_man
                        check_dead_lock
                        lock_
                        unlock_
                        hcs
                        bound_fm_ .bind
```

*****
No MCR yet: The cleanup command in bound_lib_utility_ was
replaced to initialize some uninitialized pointers to null.

10/09/74   1700.4      bound_lib_utility_ replaced in TOOLS

       replaced:    cleanup

*****
MCR's 649,757: New versions of PL1 and Fortran were installed in
LANG today, fixing more than 150 bugs in PL1 and improving
performance in calls to quick internal procedures for PL1. For
Fortran, bugs numbered 64,75, 77, 78, 80, 81, and 87-114 were
fixed, and a new common implementation was established.  Please
type "help fortran_common".  Please dprint
>doc>info>pl1_changes.info.

10/10/74   0855.0      op_mnemonic_ deleted from TOOLS

10/10/74   0855.0      bound_parse_ replaced in LANG

       replaced:    v2pl1
                     parse
                     process_entry
                     procedure_parse
```

```
statement_type
do_parse
lex
data
lf_parse
statement_parse
declare_label
context
evaluate
expression_parse
reference_parse
declare_parse
attribute_parse
descriptor_parse
default_parse
lo_statement_parse
format_list_parse
data_list_parse
on_parse
pl1_symbol_print
parse_xfer_vector
```

10/10/74   0855.0    bound_lang_util_ replaced in LANG

replaced:
```
create_array
create_block
create_bound
create_context
create_cross_reference
create_default
create_label
create_symbol
create_token
create_identifier
bindec
token_to_binary
create_list
create_operator
create_reference
create_statement
create_storage
pl1_get
tree_manager
free_node
pl1_stat_
get_array_size
get_size
refer_extent
declare_constant
declare_descriptor
declare_picture
declare_integer
declare_pointer
declare_temporary
optimizer
compare_expression
copy_expression
reserve
convert
share_expression
```

4)

```
                            decbin
                            parse_error
                            error_
                            decode_node_id
                            pl1_error_print
                            binary_to_octal_string
                            pl1_print
                            error
                            merge_attributes
                            display_pl1_map
                            sym_sort_alphabetic
                            binoct
                            display_text
                            op_mnemonic
                            operator_names
                            display_pl1_text
                            lang_util_
                            util_xfer_vector
                            mst
                            compile_formats
                            gen_pl1_symbol
                            compile_link
                            name_assign
                            gen_pl1_linkage
                            initialize_ext_static
                            initialize_int_static
                            assign_storage
                            generate_definition
                            macro_table
                            instruction_info
                            pl1_signal_catcher
                            bound_lang_util_.bind

          deleted:          sort_on_dcl_type
                            prepare_symbol_map_

  10/10/74   0855.0        bound_semant_ replaced in LANG

          added:           simplify_expression

          replaced:        semantic_translator
                            context_processor
                            expression_semantics
                            lookup
                            propagate_bit
                            simplify_offset
                            operator_semantics
                            function
                            match_arguments
                            compare_declaration
                            check_star_extents
                            subscripter
                            offset_adder
                            builtin
                            pl1_data
                            do_semantics
                            alloc_semantics
                            expand_assign
                            expand_infix
                            expand_prefix
```

```
                        expand_primitive
                        make_non_quick
                        lo_data_list_semantics
                        lo_semantics
                        defined_reference
                        declare
                        validate
                        declare_structure
                        expand_initial
                        v2pl1_semant_
                        prepare_symbol_table
                        generic_selector
                        fill_refer
                        semant_xfer_vector
                        bound_semant_.bind


10/10/74   0855.0       bound_cg_ replaced in LANG


        added:          length_op


    replaced:           code_generator
                        cg_stat
                        make_mod
                        get_variable
                        compile_entry
                        compile_block
                        compile_statement
                        compile_tree
                        aq_man
                        assign_info
                        assign_op
                        adjust_ref_count
                        store
                        load
                        save_value
                        generate_constant
                        arith_op
                        arith_data
                        fixed_to_float
                        jump_op
                        compile_exp
                        opcode_info
                        inline_operation
                        check_o_and_s
                        prepare_operand
                        eval_exp
                        copy_temp
                        get_reference
                        c_a
                        call_op
                        store_bit_address
                        stack_temp
                        compare_ptrs
                        set_indicators
                        string_op
                        string_temp
                        long_op
                        load_size
                        cat_op
                        xr_man
```

```
                        m_a
                        base_man
                        expmac
                        need_temp
                        power_of_two
                        constant_zero
                        expmac_test
                        state_man
                        min_max
                        complex_stuff
                        pointer_builtins
                        base_to_core
                        move_data
                        make_both_addressable
                        exp_op
                        link_vector
                        ctl_char
                        io_op
                        e_v
                        get_imaginary
                        decimal_op
                        convert_chars
                        cg_error
                        cg_
                        bound_cg_.bind


10/10/74   0855.0       bound_pl1o2_ replaced in LANG


        replaced:       pl1o2_open_
                        pl1o2_signal_
                        pl1o2_fl_
                        pl1o2_data_
                        pl1o2_dump_
                        pl1o2_debug_
                        pl1o2_octptr_
                        pl1o2_reclo_
                        pl1o2_sym_to_desc
                        pl1o2_put_util_
                        pl1o2_ldo_
                        pl1o2_pve_
                        pl1o2_pdt_
                        put_data_var_all_
                        put_data_block_all_
                        pl1o2_get_util_
                        pl1o2_gdt_
                        pl1o2_ldl_
                        pl1o2_gvl_
                        pl1o2_gvd_
                        pl1o2_gve_
                        assign_type_d
                        assign_type_p
                        put_copy_
                        decode_oldesc_
                        pl1o2_resig_
                        pl1o2_dnd_


10/10/74   0855.0       bound_display_ replaced in LANG


        replaced:       display_exp
                        peek
```

```
10/10/74    0855.0      bound_pl1_runtime_ replaced in LANG

            added:      decimal_exp2_

         replaced:      unpack_picture_
                        picture_info_
                        decimal_exp_
                        bound_pl1_runtime_.bind

10/10/74    0855.0      motd.info replaced in IIS

10/10/74    0855.0      pl1_version_ replaced in LANG

10/10/74    0855.0      pl1_error_messages_ replaced in LANG

10/10/74    0855.0      cgsystem.incl.pl1 replaced in INCL

10/10/74    0855.0      compare_alias.incl.pl1 replaced in INCL

10/10/74    0855.0      definition.incl.pl1 replaced in INCL

10/10/74    0855.0      language_utility.incl.pl1 replaced in INCL

10/10/74    0855.0      op_codes.incl.pl1 replaced in INCL

10/10/74    0855.0      runtime_symbol.incl.pl1 replaced in INCL

10/10/74    0855.0      semant.incl.pl1 replaced in INCL

10/10/74    0855.0      temporary.incl.pl1 replaced in INCL

10/10/74    0855.0      oncode_messages_ replaced in LANG

10/10/74    0855.0      bound_fortran_ replaced in LANG

         replaced:      fortran
                        fortran_parse
                        statement_recognizer
                        flex
                        ftn_lex_data
                        cardlex
                        card_lex_data
                        fortran_if_parse
                        fortran_assign_parse
                        fortran_expression_parse
                        fortran_reference_parse
                        dcl
                        fortran_subscripter
                        builtin_function
                        fortran_reserve
                        replace_parameters
                        fortran_operator_semantics
                        fortran_crse_parse
                        go_to_parse
                        fortran_do_parse
                        fortran_io_parse
                        make_format
                        fortran_format_parse
                        general_format_parse_
```

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```
                          fortran_subroutine_parse
                          declaration_parse
                          type
                          initial_attribute
                          prologue_entry
                          stmnt_func_parse
                          set_parameters
                          fortran_symbol_print
                          fortran_io_op
                          fortran_xfer_vector
```

10/10/74   0855.0    bound_fortran_io_ replaced in LANG

        replaced:    fortran_io_
                     ftn_io_format_
                     ftn_io_namelist_

10/10/74   0855.0    fortran_common.info replaced in INFO

10/10/74   0855.0    fortran_version_ replaced in LANG

10/10/74   0855.0    fortran_error_messages_ replaced in LANG

*****
No MCR: A temporary version of the new card io package was added
to TOOLS for testing purposes. Only the executable object
segment was added, with external names removed, since it is
intended for testing only.

10/11/74   1238.5    bound_temp_card_io_ added to TOOLS

        added:       read_cards
                     cards_overseer_
                     crz
                     crz_dim
                     cpz
                     cpz_dim
                     mcc_
                     mcc_dim
                     cpseg
                     v11punch_
                     v11punch_dim
                     check_cd
                     raw_
                     raw_dim
                     fliptab
                     flipper_
                     flipper_dim
                     bound_card_io_.bind

*****
MCR's 133,209: Two new commands were added to the LANG library.
The close_file command was added to allow PL1 users to close all
files. The set_cc command was added to allow Fortran users to
set the carriage_control mode of a Fortran formatted file.


10/11/74   1536.0    close_file added to LANG

10/11/74  1536.0    set_cc added to LANG