

TO: MIB DISTRIBUTION
 FROM: Nancy Pitts
 DATE: September 16, 1977
 SUBJECT: ONLINE INSTALLATION CHANGES

 The following is a list of changes to the standard service system, tools, network, unbundled, author maintained and installation maintained libraries for the week beginning September 11, 1977.

MCR # : Explanation briefly summarizing the modification.

DATE	SEGMENT NAME	LIBRARY
	COMPONENT changes (if any)	

MCR 2797: The command salvage_dir was added to bound_priv_ss_ (TOOLS) creating a cleaner interface for invoking the online salvager from command level.

09/12/77	1229.7	bound_priv_ss_ replaced in TOOLS
	added:	salvage_dir
	replaced:	bound_priv_ss_.bind

MCR 2767: Adds user_info_\$terminal_data as a replacement for user_info_\$tty_data. The segments bound_full_cp_, bound_io_commands_ and bound_info_rtns_ (SSS) were all replaced. The set_tty command changed to: add the control argument -initial_string, changed the meaning of -reset, and causes -terminal_type to transmit an initial string to the terminal (if defined).

09/13/77	0859.1	set_tty.info replaced in INFO
09/13/77	0859.1	bound_io_commands_ replaced in SSS
	replaced:	set_tty
09/13/77	0859.1	bound_info_rtns_ replaced in SSS

 Multics Project internal working documentation. Not to be reproduced or distributed outside the Multics Project.

replaced: user_info_
09/13/77 0859.1 bound_full_cp_ replaced in SSS
replaced: user

RCP 25, 28, 29, 30,33: Installed bound_restructure_ (RDMS) with changes to binding_, change_refnos, delete_check, init_, io_interface, link_, restructure_data_type, and deleteing rdt_restart. Also modified bound_rdms_commands_ by replacing set_user, and modified bound_sms_ by replacing sms_status_. Allthis in an effort to enable rdt to run more efficiently especially taking into account inerruptions in the running of rdt. rdt will now be able to use prefix matching with its combine editor command and can insert into empty datatypes. set_user will now return temporary relations and quarts which use datatypes. rdt will not blow up if use of combine causes a relation to lose rows. rdt will sort large datatypes more efficiently.

09/13/77 0859.5 rdt_parms.incl.pl1 replaced in RDMS_INCL

09/13/77 0859.5 bound_sms_ replaced in RDMS

replaced: sms_status_

09/13/77 0859.5 bound_rdms_commands_ replaced in RDMS

replaced: set_user

09/13/77 0859.5 bound_restructure_ replaced in RDMS

replaced: restructure_data_type
init_
binding_
io_interface
link_
delete_check
bound_restructure_.bind

deleted: rdt_restart

MCR 2767: Installed a new bindfile for bound_info_rtns_ (SSS) retaining the entry terminal_data, fixing this mornings installation.

09/13/77 1034.0 bound_info_rtns_ replaced in SSS

replaced: bound_info_rtns_.bind

MCR 2813: Installed bound_crossref_ (TOOLS) with changes to cross_reference and cref_analyze_ to fix several bugs in cross_reference; to increase the number of directories it can search from 8 to 16.

09/13/77 1340.9 bound_crossref_ replaced in TOOLS

replaced: cross_reference
cref_analyze_

MCR 2700: Installed info file describing changes to cv_entry_.

09/13/77 1503.8 cv_entry_.changes.info added to INFO

MCR 2738: Installed bound_misc_commands_ (SSS) with changes to indent (also indent.info and indent.changes.info) to extend the indent command to handle source for the reduction_compiler. This also corrects indenting of parenthesized structure entries, so that level numbers are aligned.

09/13/77 1517.7 indent.changes.info added to INFO

09/13/77 1517.7 indent.info replaced in INFO

09/13/77 1517.7 bound_misc_commands_ replaced in SSS

replaced: indent

09/13/77 1534.9 decam added to IML

09/13/77 1534.9 decam.info added to IIS

MCRs 2789, 2799: The command adopt_seg was added to bound_priv_ss_ (TOOLS) providing a facility to reconstruct an entry for a segment whose VTOCE exists, but whose directory entry has been lost. An option was also added to sweep_pv to construct branches for such segments.

09/13/77 1602.3 vtoce.incl.pl1 replaced in INCL

09/13/77 1602.3 bound_priv_ss_ replaced in TOOLS
added: adopt_seg
replaced: sweep_pv
bound_priv_ss_.bind

RCR 35, 37: Installed bound_rsm_ with changes to difference_, intersection_, project_, rsm_matrix_, rsm_matrix_do_, successor_tuple_, union_, union_compose_, compose_, SMS_info, all in an attempt to fix the bugs of previous fixes.

09/13/77 1634.2 SMS_info_ replaced in RDMS
09/13/77 1634.2 rsm_area.incl.pl1 replaced in RDMS_INCL
09/13/77 1634.2 bound_rsm_ replaced in RDMS
replaced: rsm_matrix_
successor_tuple_
compose_
project_
intersection_
union_
rsm_matrix_do_
union_compose_

MCRs 2805, 2844: accept_messages was fixed to write "You have mail" notifications on the I/O stream user_io instead of user_output. Also in bound_msg_facility_ (SSS), the active function have_mail was changed to look in the same place as the mail command for the user's default mailbox (i.e >udd>Project>Person).

09/14/77 0847.7 bound_msg_facility_ replaced in SSS
replaced: have_mail
message_facility

MCR 2824: The list_vols command was made usable as an active function to obtain records or records_left of a hierarchy volume. it was also modified to print the public and pdirs_ok flags for logical volume entries of the disk_table.

09/14/77 1049.9 disk_table.incl.pl1 replaced in INCL
09/14/77 1049.9 list_vols replaced in TOOLS

MCR 2841: The list command of bound_fscom1_ (SSS) was modified to compute MSF record counts only when it is going to print them. Also, the "list >" command will produce a more meaningful error message.

09/14/77 1103.7 bound_fscom1_ replaced in SSS
replaced: list

MCR 2858: The test_dcw command of bound_io_tools_ (TOOLS) was changed to automatically put the device address of the device assigned in all IDCW's.

09/14/77 1110.0 bound_io_tools_ replaced in TOOLS
replaced: test_dcw

MCR 2720: The io_call command of bound_io_commands_ (SSS) was modified to be usable as an active function. Please type "help io_call" for more information.

09/14/77 1119.7 io_call.info replaced in INFO
09/14/77 1119.7 io_call_info.incl.pl1 replaced in INCL
09/14/77 1119.7 bound_io_commands_ replaced in SSS
added: io_call_read_write_
io_call_print_iocb_
requote_string_
replaced: io_call
io_call_msg_
bound_io_commands_.bind

MCR 2689: The convert_characters command of bound_misc_commands_ (SSS) was changed to use the translate builtin for greater efficiency.

09/14/77 1126.6 bound_misc_commands_ replaced in SSS
replaced: convert_characters

RCR 35, 37: Installed bound_rsm_ with changes to difference_ in

the radmin rdms.

09/14/77 1137.6 bound_rsm_ replaced in RDMS

replaced: difference_

NO RCR:Installed bound_rdms_commands_ (RDMS) with changes to the bindfile to make add_name_set_force command available to users. This is done by retaining add_name_set_force and ansf as entries in the bound segment.

09/14/77 1200.0 bound_rdms_commands_ replaced in RDMS

replaced: bound_rdms_commands_.bind

MCR 2785, 2786: Installed bound_probe_ with changes to probe_error_, probe, symbol_attributes, probe_operate_, print_reference, compare_reference, assign_reference, probe_errors.incl, arithmetic_to_ascii_, and get_runtime_address; additions of probe_convert_, and probe_assign_. The probe position request will now print the source line, a more informative error message is given for misuse of the execute request. Probe can now handle cobol comp-8 and comp-5 data types.

09/14/77 1432.2 probe_errors.incl.pl1 replaced in INCL

09/14/77 1432.2 bound_probe_ replaced in SSS

added: probe_assign_
probe_convert_

replaced: probe_error_
probe
probe_operate_
print_reference
assign_reference
compare_reference
symbol_attributes
bound_probe_.bind

09/14/77 1432.2 bound_trace_ replaced in SSS

replaced: arithmetic_to_ascii_

09/14/77 1432.2 bound_stu_ replaced in LANG

replaced: get_runtime_address

MCR 2788: Several programs were recompiled from v1p11 to v2p11. These include: calc, ffip, ffop, iocall, expand_, ti_, expand, print_commands_usage, get_archive_file_, discard_output_util_, discard_output_.alm, and broadcaster_.alm.

09/15/77 1122.3 expand replaced in TOOLS

09/15/77 1122.3 bound_calc_ replaced in SSS

replaced: calc
ffip
ffop

09/15/77 1122.3 bound_io_commands_ replaced in SSS

replaced: iocall

09/15/77 1122.3 bound_ti_term_ replaced in SSS

replaced: ti_
expand_

09/15/77 1122.3 bound_misc_metering_ replaced in TOOLS

replaced: print_command_usage

09/15/77 1122.3 bound_lib_utility_ replaced in TOOLS

replaced: get_archive_file_

09/15/77 1122.3 bound_broadcaster_ replaced in SSS

replaced: broadcast_
discard_output_
discard_output_util_

MCRs 2690, 2691, 2692: Fixes a bug in print_tuning_parameters which printed a zero for working_set_factor due to a scaling error. The parameter priority_sched_inc was added to the output of this command. The total_time_meters command was re-compiled. Both these are part of bound_misc_metering_ (TOOLS). Also, deleted were the obsolete meter_fim and test_faults_.

09/15/77 1141.6 bound_misc_metering_ replaced in TOOLS

replaced: total_time_meters
print_tuning_parameters

bound_misc_metering_.bind

deleted: meter_fim
test_faults_

MCRs 2717, 2718: The answering service was modified to automatically log the pathname of damaged segments reported by the VTOC salvager and page control. bound_user_control_, bound_admin_tools_ and bound_hardcore_db_ (TOOLS) were changed.

09/15/77 1220.5 syserr_binary_def.incl.pl1 replaced in INCL

09/15/77 1220.5 bound_user_control_ replaced in TOOLS

replaced: as_meter_

09/15/77 1220.5 bound_hardcore_db_ replaced in TOOLS

added: binary_segmsg_util_

replaced: bound_hardcore_db_.bind

09/15/77 1220.5 bound_admin_tools_ replaced in TOOLS

added: syserrlog_segdamage_scan_

replaced: print_syserr_msg_
bound_admin_tools_.bind

RCR 25, 28, 29, 30, and 33: Adding change_refnos to bound_restructure_ (RDMS).

09/15/77 1233.7 bound_restructure_ replaced in RDMS

replaced: change_refnos

MCR 2789: Installed bound_fscom2_ (SSS) with changes to status, and bound_hardcore_db_ (TOOLS) with changes to print_aste_ptp and dump_vtoce to provide usage counts for segments (online portion).

09/15/77 1543.9 bound_hardcore_db_ replaced in TOOLS

replaced: print_aste_ptp
dump_vtoce

09/15/77 1543.9 bound_fscom2_ replaced in SSS

replaced: status

MCR 2682, 2775: Installed bound_admin_rtnes_ (TOOLS) with changes to compute_bill and bound_proj_admin_ (SSS) with changes to display_account_status to modify crank to copy per-project account data from Reqfile, profile and SAT into PDT. User command: display_account_status usable by project administrator to print this data.

09/15/77 1641.2 display_account_status.info added to INFO

09/15/77 1641.2 master.ec replaced in TOOLS

09/15/77 1641.2 pdt.incl.pl1 replaced in INCL

09/15/77 1641.2 bound_admin_rtnes_ replaced in TOOLS

replaced: compute_bill
bound_admin_rtnes_.bind

09/15/77 1641.2 bound_proj_admin_ replaced in SSS

added: display_account_status

replaced: bound_proj_admin_.bind

MCRs 2879, 2881: bound_priv_ss_ (TOOLS) was modified to add the new command do_subtree. Also, salvage_dir was changed to accept the "-delete_connection_failure" control argument which causes the salvager to delete branches that do not correspond to VTOC entries.

09/16/77 0953.0 salv_args.incl.pl1 replaced in INCL

09/16/77 0953.0 bound_priv_ss_ replaced in TOOLS

added: do_subtree

replaced: salvage_dir
bound_priv_ss_.bind