

Multics Task Report

TO: Distribution
FROM: Roger A. Roach
DATE: November 26, 1973
SUBJECT: Misc. Multics/PDO Task Report

I. Significant Events

The "snoop" programs to monitor time spent in processes (mainly the initializer) have been completed and a MTB and a MCR are being prepared. The code to monitor calls to the Dartmouth system has been installed. In the last three weeks there have been only five calls and all of those from two staff members testing the code. The more general command name usage monitor has been mostly completed except for the code in find_command. A MTB is being prepared and should be ready within two weeks.

The changes to the acceptance test programs, tty_lines, start_dump and the new directory auditing commands have all been installed (in tools).

II. Task Status

Most of the suggestions resulting from the MTB on sort_file have been incorporated and a new MTB has been prepared. It should be published within a week.

The programs needed to implement the Student Basic System's (SBS) naming conventions in the new basic have been completed. The details concerning the organization of the bound segments are being worked out. Actual installation will have to wait for the installation of the basic compiler which is waiting for the installation of the EIS operators which is waiting for certain EIS hardware problems to be fixed.

The changes to the printer dim are progressing slowly due to preemption by higher priority tasks.

A new task to create a "estimate_bill" command has been added due to a request from IPC User Services. It will report to the user his costs (CPU, memory, connect, terminal

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I/O) for a complete session (over different processes and different shifts). Although the final design has not been completed, it will probably require the usage of a timer to wakeup periodically (at least once every shift) to save previous usage in a data segment residing in the user's home directory.

III. Work Planned for Next Reporting Period

We hope to complete the documentation and issue the MTB's and MCR's for the monitor programs (for command name monitoring and process usage monitor - i.e. snoop). Also the final MTB for sort_file should be published and hopefully the MCR will be approved so it can be installed.

We should be able to work out the final design for estimate_bill and have a schedule for its implementation.

PROJECT Miscellaneous Tasks AREA Development Support

TASK DESCRIPTION	PERSONNEL	START	FINISH	M-W	CHANGES-SIAIUS
sort_file enhancements (MCR 107)	Klinger	09/24/73	11/15/73	4.0	Changes resulting from MTB done, new MTB to be submitted.
Process Execution Metering (for the initializer)	Klinger, VanVleck	10/09/73	11/19/73	3.0	MTB ready, MCR to be submitted.
Dartmouth System Usage Monitor	Smith	10/09/73	10/29/73	2.0	Installed (IML) 11/17
Incorporate new basic into SBS	Smith	10/29/73	12/13/73	4.0	Almost done. Work awaits installation of new basic.
Generalized Command Name Monitoring (MCR 104)	Kayden	10/15/73	11/19/73	4.0	Code almost complete, MTB being prepared
Acceptance Test Enhancements (MCR 105)	Roach	09/01/73	10/11/73	1.1	Installed (tools) 11/8
tty_lines Enhancements (MCR 108)	Roach	09/01/73	10/11/73	0.5	Installed (tools) 11/8
Copyright Program Enhancements				3.1	Requirements being determined
Printer Enhancements (MCR J31)	VanVleck	09/25/73			MCR Approved. Work begun.
Punch Dim Enhancements				4.1	Requested by JRS, awaiting manpower
Fix start_dump bug (not printing maps) for complete dumps (MCR 143)	Roach	10/25/73	10/31/73	0.5	Installed (tools) 11/13
Create a estimate_bill command				8.1	Final design awaiting manpower
Create a tape_archive command					Design necessary

TASK DESCRIPTION	PERSONNEL	START	FINISH	M-W	CHANGES-SIAIUS
Enhance local for tapes					Design necessary
Install editor for Black/white Chart	vanVleck				Low priority task, No MTB or MCR submitted
Install comp_dir_info (MCR J35)	vanVleck				Installed (tools) 11/20
Install new Dartmouth library	Roach				Will work with SIPB people
Document MPRF procedures	Roach			1.2	
Document Backup procedures	Roach			1.0	
Document Error Recovery Procedures	Roach			2.0	