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□ The map file explains the virtual storage layout

- By itself it is sort of interesting
- But when exploited by the sampling file we can discover where processor cycles are spending their time in the code

Field name	Offset	Length	Format	Description
Record type	0	1	Text	I=Information, B=Boundary, M=Module, C=CSECT, E=Entry Point
Memory area	1	1	Text	N=Nucleus, M=MLPA, P=PLPA, F=FLPA, X=Private area, C=Common
ASID	2	4	Printable Hex	ASID (for Private area) orRecord Type (for other records)
Name	6	8	Text	Short name (may be blank, may not be unique)
Start address	14	8	PrintableHex	Start address (Record typesB, M, C and E only)
End address	22	8	Printable Hex	End address (Record types B, M, and C only)
Job name	30	8	Text	Job name of the address space (Module records only)
Long name	38	To end of record	Text	VOLSER=xxxxxx, DSN=xxx for modules loaded from MVS datasets, pathname for HFS modules, longname for any names longer than 8 bytes
			:	•
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Example of Portion of .SMP Contents Basic Sampling Number of unique completed instructions executed simultaneously during sampling cycle State bits DAT mode, Wait sate, Problem state, Address space control ,Primary ASN Instruction address Of an instruction on the logical processor that was executing during the sampling cycle Guest program parameter □ Program parameter set by most recent SET PROGRAM PARAMETER instruction (by the processor running at the virtual machine level) Host program parameter Program parameter set by most recent SET PROGRAM PARAMETER instruction executed by the processor running under VM TCB address SRB mode indicator Home ASID Task ID token WEB address of SRB Etc. Peter Enrico : www.epstrategies.com © Enterprise Performance Strategies, Inc. Exploring the SMF 113 Record - 72











