VOLVO

Volvo Data North America
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Greensboro, North Carolina

Volvo Data North America

MEXPACK Proposals

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Volvo Data North America MEXPACK Proposals

Volvo Data North America has identified specific needs concerning the MEXPACK distribution that would enable a smoother install process for the VDNA environment. Many of the points listed below are aimed at reducing the manpower required to install a MEXPACK system, as well as, simplify the maintenance and customization of an operating system or program product.

This proposal also addresses a need to reduce the amount of DASD required to support mutiple Logical Partitions, by recommending a single set of MEXPACK volumes to be customized using PARMLIBS, PROCLIBS and program product install libraries. Eventually, given the appropriate packaging, MEXPACK installation should approach the VDNA goal of 2 man-days for a MEXPACK install.

Volvo Data North America recognizes the benefits of the MEXPACK concept and welcomes the opportunity to utilize the expertise of Volvo Data's technical support staff. To be able to install software tested in a comparable environment should favorably impact availability and the quality of Volvo Data North America's computer systems.

Volvo Data North America MEXPACK Proposals

Requirement #1 - Simplify distribution process for multiple LPAR
environment at Volvo Data North America complex.

Proposal #1 - Provide one MEXPACK set of volumes with all inclusive
program products applicable to all LPARS within the
Volvo Data North America complex.

Benefits #1 - Achieve a maintainable operating system environment
with the least possible number of persons. Also,
reduce the possibility of errors that is inherent
when a small staff maintains different operating
systems using dissimilar procedures. Improve
quality through standardization and simplification.

Requirement #2 - Have the capability to install maintenance on any
production operating system and/or MEXPACK provided
program product.

Proposal #2 - Distribute SMPE datasets for operating system and all
program products installed using SMPE. Establish a
naming standard for SMPE datasets distributed with
MEXPACK. For example:

ZONE NAME	CSI Dataset Name	Function
GLOBAL	SMPE.GLOBAL CSI	GLOBAL CSI
SY1C1XT	SMPE.VSY1C1XT.CSI	TARGET CSI on SY1C1X
SY1C1XD	SMPE.VSY1C1XD.CSI	DLIB CSI on SY1C1X

VDNA application of maintenance would be used only
in emergency situations in which maintenance could
not be provided by Volvo Data in a timely manner,
i.e., 6 hour time differential, during long vacation
periods, etc.

Communication of fixes must be built into the above
process so that maintenance, once installed by VDNA,
would not be regressed when a new level of MEXPACK
was distributed.

Benefits #2 - Ensure integrity of the operating system environment
by providing a means of immediate resolution of
errors.

Requirement #3 - Provide complete installation documentation
for each operating system and program product
distributed on the MEXPACK RESVOL. VDNA needs
full disclosure concerning the installation and/or
customization of each program product.

Proposal #3 - Include documentation to describe installation and
customization of all MEXPACK supplied software.
Also, any parameter source decks should be included
on MEXPACK so VDNA can tune and/or customize the VDNA
LPARs. This documentation, to be included on the
RESVOL, is especially critical for non-IBM program
products.

Benefits #3 - Reaffirms integrity of the operating system
and provides the technical support staff with
information required to meet quality and
availability service agreements.

Requirement #4 - LPALIB should be distributed as close as possible to
IBM distribution. Program products should be
documented and distributed in such a manner to
provide ease of installation in a multiple LPAR
environment.

Proposal #4 - Product level LPALIB, LINKLIST and LOAD libraries
should be used versus node level versions to allow
customization at the LPAR level using the appropriate
SYS1.PARMLIB members.

Datasets required for product customization should be
pre-allocated on the RESVOL. All PROCs maintained by
Volvo Data should be distributed in a PROC library
on the RESVOL and cataloged in the MASTER catalog
using the indirect VOLSER facility.

Symbolic parms on started task PROCS distributed with
MEXPACK, should define the LPAR associated with a
started task, i.e. node=C1. Defaults should be set so
starting the started task without specifying a
parm will result in a JCL error.

Benefits #4 - Allows for streamlined system operation.

Requirement #5 - Exits distributed by MEXPACK need to be completely documented.

Proposal #5 - Each exit distributed on MEXPACK should include a copy of it's source and a description of its purpose within the Volvo Data system. VDNA attempts to eliminate all exits that can be replaced with comparable functions provided within the operating system, i.e. replacing IEFU83/IEFU84 with SMFPRMxx in SYS1.PARMLIB to control SMF recording.

Benefits #5 Each exit must be evaluated to determine the effects it will have on each LPAR within the VDNA complex. Existing exits for VCNA, VGHT and VDNA should be re-addressed to reduce system entry points and standardize with Volvo Data exit usage.

Requirement #6 - Provide flexibility for DASD hardware acquisitions.

Proposal #6 - Remove limited address definitions associated with esoteric devices that in turn require EDT GENs when a volume is moved to a different address. Let SMS control pooling of volumes and the VATLIST parm define the manner in which a device comes online and with what associated characteristics.

Benefits #6 Reduce technical support interface requirements for the constantly changing hardware configurations within VDNA.

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1) How is job accounting performed? Is ACTCAT involved? How?
    Can this function be moved to ACF2?

2) What is VUADS and how is it used?

3) Why is SYS1.UADS still in use for the R101 system? Can it be
    removed with the installation of ACF2 5.2?

4) Is there a document to describe the Volvo Data SMF exits and
    their connection to the accounting structure?

5) Is there a document to describe the Volvo Data SMF exits and
    their connection to the quality reporting structure?

6) Will VDNA be given authority to view (read only) the VDNA
    MEXPACK data within the Volvo Data environment?

MVS SYSRES Products

Assembler H
Assembler XF
ACF/VTAM ??? - Check with Brew
ACF2 Base
ACF2 JES2
BTAM
C/370 Compiler
C/370 Specific Library
DF/DSS
DFHSM
DFP
DFSORT
EREP
GDDM
GDDM Graphics
HCF
ICFRU
ICKDSF
INFO Mgmt
INFO SYS
IOCP
ISPF/Dialog Manager
ISPF/PDF
JES2/SP
MLWS
MVS/SP
NETVIEW Base
NPM
OGL
OPC/A
Print Service Facility
PASCAL Library
PL/1
RMF
Subsystem Support Services
SDSF???? (IOF)
SMP/E
SU Bit String
TIOC
TSO/E ESA
VSCOBOL II
VSFORTRAN 2
3270 FTP TSO

Other Products

IMS
CICS
DB2
QMF (?)
HELP
FILEMON
VCOM
ZZ System
ABENDAID
SAS
SESAM
MEMO/base
MEMO/fax
MEMO/pc
TMS/CA-1
VPS
PMO/Qfetch
OMEGAMON II