

## I64ART , the Itanium Readiness Test Tool

### V1.1, Readme.doc

I64ART is a tool to assess the translateability of an OpenVMS/Alpha binary image (executable image or shareable image) into an HP OpenVMS I64 binary image. I64ART is not able to produce a working HP OpenVMS I64executable image. I64ART is to detect the most important problems, which will make binary translation impossible or will require interventions into the translated application's build environment or even modifications in the application's source code.

I64ART can be downloaded from Software Resources International's web site either in the form of OpenVMS backup save set or in zipped format. It consists of:

- The executable image itself (TR.EXE)
- The command definition file I64ART.CLD

To install I64ART, you should perform following steps:

- Extract the contents of the backup file in the OpenVMS environment, using one of the following command:  
\$backup I64ART.BCK/save []  
\$unzip I64ART.ZIP
- Execute the command definition file as:  
\$ set command I64ART.CLD
- Define the logical name TR as:  
\$ define TR [YOUR\_PATH]TR.EXE  
where [YOUR\_PATH] is the full name of directory where TR.EXE is stored
- Request a free PAK from Software Resources International via the web site and install it

To run the assessment tool, execute the command:

**\$ I64ART [qualifiers] input\_image\_name,**

where [qualifiers] are:

/[NO]LIST=[file\_spec] – specify list file name, default is  
<input\_image\_name>\_AV.LIS

/[NO]AUDIT – tell AEST to produce enhanced audit information to list file

The current version I64ART (V1.1) is able to detect the following translation problems in the OpenVMS/ALPHA executable image:

### Untranslatable images

Images described in the table incur FATAL or ERROR messages

Description	Message
Images linked with OpenVMS/Alpha version prior to 6.1	BADEXE
Images that have user-written system services or other nonuser-mode code	HASSECNAME LNKEXEC ISDINIT ISDRESIDENT
Images linked against a specific version of VMS	LNKSYS

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## Images translated with warnings

Images described in the table incur WARNING messages.

Description	Message
Images that contain privileged instructions	PRIVOPC
Images that reference standard OpenVMS run-time libraries not supported in the current version of migration package	RTLNOTSUPP

### Important Note:

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