

## **LAM Server Best Practices**

As with any Landmark synchronous release, the License Application Manager (LAM) server is upgraded to a newer version of FLEXnet Publisher. Customers only need one LAM server, and one license.dat file for a site.

The R5000 server will serve licenses (FEATURES) to either R2003 applications or R5000 if the feature names did not change between versions. Several of our product lines have changed their application FEATURE names. These changes will impact backward compatibility of the R2003 applications features accessing the R5000 LAM Server. However, R5000 license files which include the R2003 obsolete features will allow customers to work on R2003 data sets/projects during the transition.

We encourage customers to carefully consider the approach and timing for updating their LAM server and license files in their production environments.

We recommend the following LAM server and R5000 license file upgrade approaches based on the complexity of your production environment.

Regardless of what approach you decide, contact the Landmark Licensing Team at the link below to submit your license request:

[http://css.lgc.com/psp/crm/CUSTOMER/CRM/c/X\\_LGC\\_CSS.X\\_LICENSE\\_SS\\_RPT.GBL](http://css.lgc.com/psp/crm/CUSTOMER/CRM/c/X_LGC_CSS.X_LICENSE_SS_RPT.GBL)

Prior to requesting your R5000 license update, please consider the following:

- 1) R5000 will require FLEXnet Publisher version 11.4. If you are not ready to upgrade the LAM server in your production environment and are using a test lab, we recommend you have a separate LAM server for R5000.
  - a. Customers requiring R5000 licenses to set up their test labs should contact their Landmark Account Managers or Customer Operations Specialists (COS) who are accountable for processing a (sixty) 60 day Evaluation order. Based on the complexity of the customer's environment, Account managers may approve R5000 test license extensions not to exceed (six) 6 months. Customers or COS's will contact the license administration team to generate the test licenses on the customer's behalf.

- 2) If you use a redundant server licensing configuration (3 server lines in the license file) it may not be possible to provide full backward compatibility in a mixed version environment because of the changes in the license file format for v11.4 and the fact that fully transparent support for the redundant server requires that the client software see the license file instead of referencing the FLEX port. For this special case you have three options to choose from:
  - a. Drop the redundant server requirement, and cut the R03 and R5000 licenses in the new v11.4 cross-version compatible format;
  - b. Change the LM\_LICENSE\_FILE environment variable setting from a file path to the port@host1:port@host2:port@host3 format for your redundant servers, listing the servers individually, but be advised that this can result in perceptible delays in network communications;
  - c. Run the R03 applications against one redundant server (v7.1) and run the R5000 applications against another redundant server (v11.4). The two servers cannot be referenced from the same machine because the R03 clients cannot process the new format license file.
  
- 3) To preserve full backward compatibility in your R5000 production environment (non-redundant server configurations), the LAM Server may be upgraded to FLEXnet Publisher version 11.4 and only one license server is required if the obsolete R2003 FEATURES are re-issued with the version 11.4 LAM cutter. FEATURE names for certain R2003 applications changed in R5000. The FEATURE names are required to run the R2003 applications during your transition to R5000 and must be appended to the R5000 license file.
  - a. For those customers who want to upgrade their production environment and maintain backward compatibility, contact the Landmark licensing team to request your R5000 license file; and a six (6) month evaluation license for the obsolete R2003 FEATURES. See R2003 to R2005 Obsolete License FEATURES list by technical business line for details.

## R2003 to R2005 Obsolete License FEATURES

### PRO3OBFEATUREDRL-E - R03 Obsolete Features DRL 10 user, Eval

Feature	Line Type	Version	License	Daemon	Count	Ven.String
BENTSUB	FEATURE	2003	FLOAT	licsrv	10	Landmark
BHA	FEATURE	2003	FLOAT	licsrv	10	Landmark
CASINGSEAT	FEATURE	2003	FLOAT	licsrv	10	Landmark
CFWAC	FEATURE	2003	FLOAT	licsrv	10	Landmark
CFWPLAN	FEATURE	2003	FLOAT	licsrv	10	Landmark
CFWSURV	FEATURE	2003	FLOAT	licsrv	10	Landmark
CRITICALSPD	FEATURE	2003	FLOAT	licsrv	10	Landmark
DA_NG	FEATURE	2003	FLOAT	licsrv	10	Landmark
DFWCOMBO	FEATURE	2003	FLOAT	licsrv	10	Landmark
DFWDRILL	FEATURE	2003	FLOAT	licsrv	10	Landmark
DFWWEBRPT	FEATURE	2003	FLOAT	licsrv	10	Landmark
DFWWELLSERV	FEATURE	2003	FLOAT	licsrv	10	Landmark
DRILLMODEL	FEATURE	2003	FLOAT	licsrv	10	Landmark
DRILLSUITEMGR	FEATURE	2003	FLOAT	licsrv	10	Landmark
LAMSTAT	FEATURE	2003	FLOAT	licsrv	10	Landmark
NOTEBOOK	FEATURE	2003	FLOAT	licsrv	10	Landmark
OPENWIRE_PIPELINE	FEATURE	2003	FLOAT	licsrv	10	Landmark
OPWNPD	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWP_DATA_MGMT	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWP_DATA_PIPELINE	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWP_HOST_CONNECT	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWP_HOST_SETUP	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWP_SDK	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWP_SERVICE_CONFIG	FEATURE	2003	FLOAT	licsrv	10	Landmark
PROFILE_NG	FEATURE	2003	FLOAT	licsrv	10	Landmark
RTS_EDM	FEATURE	1	FLOAT	licsrv	10	Landmark
STRESSCHECK	FEATURE	2003	FLOAT	licsrv	10	Landmark
STUCKPIPE	FEATURE	2003	FLOAT	licsrv	10	Landmark
WCCASING	FEATURE	2003	FLOAT	licsrv	10	Landmark
WCDRILL	FEATURE	2003	FLOAT	licsrv	10	Landmark
WCMULTAX	FEATURE	2003	FLOAT	licsrv	10	Landmark
WCPROD	FEATURE	2003	FLOAT	licsrv	10	Landmark
WCTUBE	FEATURE	2003	FLOAT	licsrv	10	Landmark
WELLBORECA	FEATURE	2003	FLOAT	licsrv	10	Landmark
WELLCAT	FEATURE	2003	FLOAT	licsrv	10	Landmark
WELLMGR	FEATURE	2003	FLOAT	licsrv	10	Landmark
WELLSTEAM	FEATURE	2003	FLOAT	licsrv	10	Landmark
WLBRLNR	FEATURE	2003	FLOAT	licsrv	10	Landmark

In some cases the R2003 obsolete feature gives customers full functionality to an application they did not purchase. In the event a customer has purchased the following application, the COS must enter an R2003 evaluation part number for the following product in addition to the obsolete demo file:

Material	Description
PR03TUBEDW-E	R03 Tubulars Deep Water Package Eval

**PR03OBFEATUREGGT-E - R03 Obsolete Features GGT 10 user, Eval**

Feature	Line Type	Version	License	Daemon	Count	Ven.String
CNTRASSIST	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSGEOL	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSMAP	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSSEIS2	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSSEIS3	FEATURE	2003	FLOAT	licsrv	10	Landmark
ESI_COMP	INCREMENT	2003	FLOAT	licsrv	10	Landmark
EZVAL	FEATURE	2003	FLOAT	licsrv	10	Landmark
FSTTRK	FEATURE	2003	FLOAT	licsrv	10	Landmark
GfGpLink	FEATURE	4	FLOAT	licsrv	10	Landmark
IESXLink	FEATURE	4	FLOAT	licsrv	10	Landmark
LAMSTAT	FEATURE	2003	FLOAT	licsrv	10	Landmark
LGCIO	FEATURE	2003	FLOAT	licsrv	10	Landmark
LmGpLink	FEATURE	4	FLOAT	licsrv	10	Landmark
ME2CPUADD64	FEATURE	4	FLOAT	licsrv	10	Landmark
MEPIPEADD64	FEATURE	4	FLOAT	licsrv	10	Landmark
MESPECDECOMPI	FEATURE	4	FLOAT	licsrv	10	Landmark
MEWBPLANNER	FEATURE	4	FLOAT	licsrv	10	Landmark
PETROWORKS	FEATURE	2003	FLOAT	licsrv	10	Landmark
POWERMODEL	FEATURE	2003	FLOAT	licsrv	10	Landmark
PROMAGICVIZ64	FEATURE	4	FLOAT	licsrv	10	Landmark
PROMAX3DPSPDM	INCREMENT	2003	FLOAT	licsrv	999	Landmark
PROMAXMVA	INCREMENT	2003	FLOAT	licsrv	999	Landmark
PROMAXMVAUI	INCREMENT	2003	FLOAT	licsrv	10	Landmark
PROMAX_3DVIEW	INCREMENT	2003	FLOAT	licsrv	10	Landmark
ProMAGIC_connect	FEATURE	2003	FLOAT	licsrv	10	Landmark
RAVEDV	FEATURE	2003	FLOAT	licsrv	10	Landmark
SDE	FEATURE	2003	FLOAT	licsrv	10	Landmark
STRATUTIL	FEATURE	2003.1205	FLOAT	licsrv	10	Landmark
STRATUTILS	FEATURE	2003.1205	FLOAT	licsrv	10	Landmark
STRTWRKS	FEATURE	2003	FLOAT	licsrv	10	Landmark
STRTWRKS_3DVIEW	FEATURE	2003	FLOAT	licsrv	10	Landmark
SV_MAIN	FEATURE	2003	FLOAT	licsrv	10	Landmark
ZMS	FEATURE	2003	FLOAT	licsrv	10	Landmark

In some cases the R2003 obsolete feature gives customers full functionality to an application they did not purchase. In the event a customer has purchased the following applications, the COS must enter an R2003 evaluation part number for the following products in addition to the obsolete demo file:

Material	Description
PR03GEOPROBE32-E	GeoProbe Base, 2 CPU's 32bit, Eval
PR03GEOPROBE64-E	GeoProbe Base, 2 CPU, 1 Graphics, Eval
R03DSWSF-E	R03 Well Seismic Fusion Full, Eval
R03DSWSFB-E	R03 Well Seismic Fusion Basic, Eval

**PR03OBFEATUREGGX-E - R03 Obsolete Features GGX 10 user, Eval****Includes Aries and DSS**

Feature	Line Type	Version	License	Daemon	Count	Ven.String
AFWDS	FEATURE	2003	FLOAT	licsrv	10	Landmark
AFWECON	FEATURE	2003	FLOAT	licsrv	10	Landmark
AFWGRAPH	FEATURE	2003	FLOAT	licsrv	10	Landmark
AFWPM	FEATURE	2003	FLOAT	licsrv	10	Landmark
AFWPORTFOLIO	FEATURE	2003	FLOAT	licsrv	10	Landmark
AFWRMS	FEATURE	2003	FLOAT	licsrv	10	Landmark
AFWSIMOPT	FEATURE	2003	FLOAT	licsrv	10	Landmark
AIMODELER	FEATURE	2003	FLOAT	licsrv	10	Landmark
AIUSER	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSS	FEATURE	2003	FLOAT	licsrv	10	Landmark
LAMSTAT	FEATURE	2003	FLOAT	licsrv	10	Landmark

**PR03OBFEATUREIMI-E - R03 Obsolete Features IMI 10 user, Eval**

Feature	Line Type	Version	License	Daemon	Count	Ven.String
CDS_CONNECT	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSVIEW	FEATURE	2003	FLOAT	licsrv	10	Landmark
ENGINEERS_LINK	FEATURE	2003	FLOAT	licsrv	10	Landmark
LAMSTAT	FEATURE	2003	FLOAT	licsrv	10	Landmark
OEDT	FEATURE	2003	FLOAT	licsrv	10	Landmark
OEDTPRO	FEATURE	2003	FLOAT	licsrv	10	Landmark
OE_3DVIEW	FEATURE	2003	FLOAT	licsrv	10	Landmark
OPENEXPLORER	FEATURE	2003	FLOAT	licsrv	10	Landmark
OPENJOURNAL	FEATURE	2003	FLOAT	licsrv	10	Landmark
OWHALFLINK	FEATURE	2003	FLOAT	licsrv	10	Landmark
PDT_ADV	FEATURE	2003	FLOAT	licsrv	10	Landmark
PDT_BASIC	FEATURE	2003	FLOAT	licsrv	10	Landmark
PEA2D	FEATURE	2003	FLOAT	licsrv	10	Landmark
PEKRS	FEATURE	2003	FLOAT	licsrv	10	Landmark
PEMDS	FEATURE	2003	FLOAT	licsrv	10	Landmark
PEOW	FEATURE	2003	FLOAT	licsrv	10	Landmark
PHADT	FEATURE	2003	FLOAT	licsrv	10	Landmark
PHPHOC	FEATURE	2003	FLOAT	licsrv	10	Landmark
PHRDM	FEATURE	2003	FLOAT	licsrv	10	Landmark
PHTWS	FEATURE	2003	FLOAT	licsrv	10	Landmark
PH_WS	FEATURE	2003	FLOAT	licsrv	10	Landmark
POWERJOURNAL	FEATURE	2003	FLOAT	licsrv	10	Landmark
WELLBORE_ANALYZER	FEATURE	2003	FLOAT	licsrv	10	Landmark

In some cases the R2003 obsolete feature gives customers full functionality to an application they did not purchase. In the event a customer has purchased the following application, the COS must enter an R2003 evaluation part number for the following product in addition to the obsolete demo file:

Material	Description
R03GEODATALOAD-E	R03 GeoData Load Evaluation

**PR3OBFEATUREPO-E - R03 Obsolete Features PO 10 user, Eval**

Feature	Line Type	Version	License	Daemon	Count	Ven.String
AO_ADVISOR	FEATURE	2003	FLOAT	licsrv	10	Landmark
ASSET_OBSERVER	FEATURE	2003	FLOAT	licsrv	10	Landmark
DSPA_BASIC	FEATURE	2003	FLOAT	licsrv	10	Landmark
LAMSTAT	FEATURE	2003	FLOAT	licsrv	10	Landmark

**PR3OBFEATURERM-E - R03 Obsolete Features RM 10 user, Eval**

Feature	Line Type	Version	License	Daemon	Count	Ven.String
CORE	FEATURE	2003	FLOAT	licsrv	10	Landmark
DMS_PDF	FEATURE	2003	FLOAT	licsrv	10	Landmark
DT3DVPRINT	FEATURE	2003	FLOAT	licsrv	10	Landmark
DTGEOLINK	FEATURE	2003	FLOAT	licsrv	10	Landmark
DTNAV	FEATURE	2003	FLOAT	licsrv	10	Landmark
DTUPSCALE	FEATURE	2003	FLOAT	licsrv	10	Landmark
DTUTIL	FEATURE	2003	FLOAT	licsrv	10	Landmark
LAMSTAT	FEATURE	2003	FLOAT	licsrv	10	Landmark
PCORE	FEATURE	2003	FLOAT	licsrv	10	Landmark
PDUAL	FEATURE	2003	FLOAT	licsrv	10	Landmark
PLGR	FEATURE	2003	FLOAT	licsrv	10	Landmark
PPOLY	FEATURE	2003	FLOAT	licsrv	10	Landmark
PSURFACE	FEATURE	2003	FLOAT	licsrv	10	Landmark
PTRACER	FEATURE	2003	FLOAT	licsrv	10	Landmark