



Current Release Notes

Current Release Notes »

LeasePak 6.5a Release Notes »

65a_release_bulletin_mr16.pdf »

[LeasePak 6.5a Documentation Suite](#) » [Release Notes](#) » [Current Release Notes](#) » **LeasePak6.5aRelease Notes**

Current Release Notes LeasePak 6.5a Build 4301

For information on previous releases, refer to the [Release Notes Archive](#). You can also find copies of the archive PDFs in the separate ReadMe folder.

- [Release Bulletin](#)
- [Important Notices](#)
- [Database Changes](#)
- [Enhancements](#)

Release Bulletin

A full list of discrepancies fixed and enhancements delivered in this release are in the latest [Release Bulletin \(65a_release_bulletin_mr16.pdf\)](#).

Important Notices

Oracle 11gR2 Server » Initialization Parameters

The recommended values of the following Oracle initialization parameters have changes:

SHARED_POOL_SIZE
LARGE_POOL_SIZE
JAVA_POOL_SIZE
PGA_AGGREGATE_TARGET

See [System Administration Guide » LeasePak DBMS Server » Oracle 11gR2 Server » Initialization Parameters](#) for more information.

The NetSol recommendation to disable the following Oracle initialization parameters has been rescinded:

AUDIT_TRAIL
DB_CACHE_ADVICE
RECYCLEBIN

These initialization parameters can now be enabled or disabled according to your company policies.

Oracle 11gR2 Server » Automated Maintenance Tasks

In prior releases, the Automated Maintenance Configuration section of [System Administration Guide » LeasePak DBMS Server » Oracle 11gR2 Server](#) instructed the user to disable the Oracle automated maintenance tasks.

The Oracle automated maintenance tasks are:

1. Automatic Optimizer Statistics Collection
2. Automatic SQL Tuning Advisor
3. Automatic Segment Advisor.

Beginning with v65a, Netsol recommends enabling the Oracle automated maintenance tasks. The Automated Maintenance Configuration section has been removed from the Oracle 11gR2 Server SAG.

If you have previously disabled the Oracle automated maintenance tasks, re-enable them with the Oracle Enterprise Manager graphical interface.

The Oracle automated maintenance tasks are run during a contiguous time interval referred to as a maintenance window. Oracle by default creates seven maintenance windows, one for each day of the week. The Monday through Friday windows start at 10 pm and end at 2 am. The Saturday and Sunday windows start at 6 am and last for 20 hours. The default maintenance windows can be customized to run on a different schedule. If the timing of the Oracle maintenance windows conflicts with End of Period or other critical LeasePak processing, customize the maintenance window schedule accordingly.

Oracle Automatic Optimizer Statistics Collection

In prior releases, the Optimizer Statistics section of [System Administration Guide » LeasePak DBMS Server » Oracle 11gR2 Server](#) instructed the user to gather optimizer statistics by periodically running the `db_update_statistics` LeasePak server script.

Beginning with v65a, Netsol recommends using the Oracle Automatic Optimizer Statistics Collection automated maintenance task to gather optimizer statistics. The Oracle Automatic Optimizer Statistics Collection automated maintenance task will automatically gather fresh optimizer statistics for your LeasePak databases and the Oracle data dictionary.

Once you begin to gather statistics with the Oracle Automatic Optimizer Statistics Collection automated maintenance task, it will be unnecessary to run the `db_update_statistics` LeasePak server script.

i U0212 Portfolio » End of Period Customizations: Document Update

The End of Period Customizations document has been updated for the following fields' descriptions:

End of Period Prefetch Count

End of Period Manual Lease Range

Database Changes

For the full listing of LeasePak 6.5a database objects, refer to the [Database Reference](#).

ral Lessee/Co-Lessee

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

Column Add

rapa Application 2

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_o_c	Use Vertex O (Y/N/NULL) Y - Vertex O is used N or NULL - Vertex O is not used	CHAR(1)	yes	char(1)	yes	NULL

Column Add

raq Application Asset

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_taid_s	Vertex tax area id	CHAR(10)	yes	char(10)	yes	NULL
eq_cnty_s	Equipment county	VARCHAR2(60)	yes	char(60)	yes	NULL
tax_pmt_typ_s	Tax payment type (ST/UC/UR) ST - Stream UC - Upfront cost UR - Upfront rentals	CHAR(2)	yes	char(2)	yes	NULL
upf_ao_dlr_s	Upfront sales tax admin origin - vendor number	CHAR(9)	yes	char(9)	yes	NULL
assmt_tax_cls_s	Assessment tax class (ASM.TAXCLS code)	CHAR(4)	yes	char(4)	yes	NULL

Column Add

rar Accounts Receivable

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_o_c	Use Vertex O (Y/N/NULL) Y - Vertex O is used N or NULL - Vertex O is not used	CHAR(1)	yes	char(1)	yes	NULL

Column Add

rbk Broker

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

Column Add

rcc Custom Code

rcc_flg_c	cd_type_s	cd_shrt_s	cd_long_s	security_l
1	VTX.FFC		VERTEX FFC ORIGIN	4
2	VTX.FFC	TNCD	TRANSCODE	0
2	VTX.FFC	TPMT	TAX PAYMENT TYPE	0
2	VTX.FFC	LTYP	LEASE TYPE	0
2	VTX.FFC	FMCD	LEASE FORM CODE	0
2	VTX.FFC	ASID	ASSET ID	0
2	VTX.FFC	ASCD	ASSESSMENT CODE	0
2	VTX.FFC	MANF	MANUFACTURER	0
2	VTX.FFC	MODL	MODEL	0
2	VTX.FFC	LSTA	LEASE STATUS	0
2	VTX.FFC	UA01	USER DEF ASSET FLD01	0
2	VTX.FFC	UA02	USER DEF ASSET FLD02	0
2	VTX.FFC	UA03	USER DEF ASSET FLD03	0
2	VTX.FFC	UA04	USER DEF ASSET FLD04	0
2	VTX.FFC	UA05	USER DEF ASSET FLD05	0
2	VTX.FFC	UA06	USER DEF ASSET FLD06	0
2	VTX.FFC	UA07	USER DEF ASSET FLD07	0
2	VTX.FFC	UA08	USER DEF ASSET FLD08	0
2	VTX.FFC	UA09	USER DEF ASSET FLD09	0
2	VTX.FFC	UA10	USER DEF ASSET FLD10	0
2	VTX.FFC	UA11	USER DEF ASSET FLD11	0
2	VTX.FFC	UA12	USER DEF ASSET FLD12	0
2	VTX.FFC	UA13	USER DEF ASSET FLD13	0

2	VTX.FFC	UA14	USER DEF ASSET FLD14	0
2	VTX.FFC	UA15	USER DEF ASSET FLD15	0
2	VTX.FFC	UA16	USER DEF ASSET FLD16	0
2	VTX.FFC	UA17	USER DEF ASSET FLD17	0
2	VTX.FFC	UA18	USER DEF ASSET FLD18	0
2	VTX.FFC	UA19	USER DEF ASSET FLD19	0
2	VTX.FFC	UA20	USER DEF ASSET FLD20	0
2	VTX.FFC	UA21	USER DEF ASSET FLD21	0
2	VTX.FFC	UA22	USER DEF ASSET FLD22	0
2	VTX.FFC	UA23	USER DEF ASSET FLD23	0
2	VTX.FFC	UA24	USER DEF ASSET FLD24	0
2	VTX.FFC	UA25	USER DEF ASSET FLD25	0
2	VTX.FFC	UA26	USER DEF ASSET FLD26	0
2	VTX.FFC	UA27	USER DEF ASSET FLD27	0
2	VTX.FFC	UA28	USER DEF ASSET FLD28	0
2	VTX.FFC	UA29	USER DEF ASSET FLD29	0
2	VTX.FFC	UA30	USER DEF ASSET FLD30	0
2	VTX.FFC	UA31	USER DEF ASSET FLD31	0
2	VTX.FFC	UA32	USER DEF ASSET FLD32	0
2	VTX.FFC	UA33	USER DEF ASSET FLD33	0
2	VTX.FFC	UA34	USER DEF ASSET FLD34	0
2	VTX.FFC	UA35	USER DEF ASSET FLD35	0
2	VTX.FFC	UA36	USER DEF ASSET FLD36	0
2	VTX.FFC	UA37	USER DEF ASSET FLD37	0
2	VTX.FFC	UA38	USER DEF ASSET FLD38	0
2	VTX.FFC	UA39	USER DEF ASSET FLD39	0
2	VTX.FFC	UA40	USER DEF ASSET FLD40	0
2	VTX.FFC	UA41	USER DEF ASSET FLD41	0
2	VTX.FFC	UA42	USER DEF ASSET FLD42	0
2	VTX.FFC	UA43	USER DEF ASSET FLD43	0
2	VTX.FFC	UA44	USER DEF ASSET FLD44	0
2	VTX.FFC	UA45	USER DEF ASSET FLD45	0
2	VTX.FFC	UA46	USER DEF ASSET FLD46	0
2	VTX.FFC	UA47	USER DEF ASSET FLD47	0
2	VTX.FFC	UA48	USER DEF ASSET FLD48	0
2	VTX.FFC	UA49	USER DEF ASSET FLD49	0
2	VTX.FFC	UA50	USER DEF ASSET FLD50	0
2	VTX.FFC	UA51	USER DEF ASSET FLD51	0

2	VTX.FFC	UL01	USER DEF LEASE FLD01	0
2	VTX.FFC	UL02	USER DEF LEASE FLD02	0
2	VTX.FFC	UL03	USER DEF LEASE FLD03	0
2	VTX.FFC	UL04	USER DEF LEASE FLD04	0
2	VTX.FFC	UL05	USER DEF LEASE FLD05	0
2	VTX.FFC	UL06	USER DEF LEASE FLD06	0
2	VTX.FFC	UL07	USER DEF LEASE FLD07	0
2	VTX.FFC	UL08	USER DEF LEASE FLD08	0
2	VTX.FFC	UL09	USER DEF LEASE FLD09	0
2	VTX.FFC	UL10	USER DEF LEASE FLD10	0
2	VTX.FFC	UL11	USER DEF LEASE FLD11	0
2	VTX.FFC	UL12	USER DEF LEASE FLD12	0
2	VTX.FFC	UL13	USER DEF LEASE FLD13	0
2	VTX.FFC	UL14	USER DEF LEASE FLD14	0
2	VTX.FFC	UL15	USER DEF LEASE FLD15	0
2	VTX.FFC	UL16	USER DEF LEASE FLD16	0
2	VTX.FFC	UL17	USER DEF LEASE FLD17	0
2	VTX.FFC	UL18	USER DEF LEASE FLD18	0
2	VTX.FFC	UL19	USER DEF LEASE FLD19	0
2	VTX.FFC	UL20	USER DEF LEASE FLD20	0
2	VTX.FFC	UL21	USER DEF LEASE FLD21	0
2	VTX.FFC	UL22	USER DEF LEASE FLD22	0
2	VTX.FFC	UL23	USER DEF LEASE FLD23	0
2	VTX.FFC	UL24	USER DEF LEASE FLD24	0
2	VTX.FFC	UL25	USER DEF LEASE FLD25	0
2	VTX.FFC	UL26	USER DEF LEASE FLD26	0
2	VTX.FFC	UL27	USER DEF LEASE FLD27	0
2	VTX.FFC	UL28	USER DEF LEASE FLD28	0
2	VTX.FFC	UL29	USER DEF LEASE FLD29	0
2	VTX.FFC	UL30	USER DEF LEASE FLD30	0
2	VTX.FFC	UL31	USER DEF LEASE FLD31	0
2	VTX.FFC	UL32	USER DEF LEASE FLD32	0
2	VTX.FFC	UL33	USER DEF LEASE FLD33	0
2	VTX.FFC	UL34	USER DEF LEASE FLD34	0
2	VTX.FFC	UL35	USER DEF LEASE FLD35	0
2	VTX.FFC	UL36	USER DEF LEASE FLD36	0
2	VTX.FFC	UL37	USER DEF LEASE FLD37	0

2	VTX.FFC	UL38	USER DEF LEASE FLD38	0
2	VTX.FFC	UL39	USER DEF LEASE FLD39	0
2	VTX.FFC	UL40	USER DEF LEASE FLD40	0
2	VTX.FFC	UL41	USER DEF LEASE FLD41	0
2	VTX.FFC	UL42	USER DEF LEASE FLD42	0
2	VTX.FFC	UL43	USER DEF LEASE FLD43	0
2	VTX.FFC	UL44	USER DEF LEASE FLD44	0
2	VTX.FFC	UL45	USER DEF LEASE FLD45	0
2	VTX.FFC	UL46	USER DEF LEASE FLD46	0
2	VTX.FFC	UL47	USER DEF LEASE FLD47	0
2	VTX.FFC	UL48	USER DEF LEASE FLD48	0
2	VTX.FFC	UL49	USER DEF LEASE FLD49	0
2	VTX.FFC	UL50	USER DEF LEASE FLD50	0
2	VTX.FFC	UL51	USER DEF LEASE FLD51	0
1	VTX.FFN		VERTEX FFN ORIGIN	4
2	VTX.FFN	TRMD	LEASE TERM IN DAYS	0
2	VTX.FFN	WGHT	WEIGHT	0
1	VTX.FFD		VERTEX FFD ORIGIN	4
2	VTX.FFD	COMD	COMMENCEMENT DATE	0
2	VTX.FFD	MATD	MATURITY DATE	0
2	VTX.FFD	INSD	IN-SERVICE DATE	0
1	VTX.VER		VERTEX VERSION	4
2	VTX.VER	0600	VERSION 6.00	0
1	ADDR.TYP		ADDRESS TYPE	4
2	ADDR.TYP	EQPT	PAYOFF SHIP TO	0
2	ADDR.TYP	EQPF	PAYOFF SHIP FROM	0
2	ADDR.TYP	EQPA	PAYOFF ADMIN ORIGIN	0
2	ADDR.TYP	EQUA	UPFRONT ADMIN ORIGIN	0
2	ADDR.TYP	EQUA	UPFRONT ADMIN ORIGIN	0
2	ADDR.TYP	EQUA	UPFRONT ADMIN ORIGIN	0
2	ADDR.TYP	EQUD	UPFRONT DESTINATION	0
2	ADDR.TYP	QTPT	PAYOFF QUOTE SHIP TO	0
2	ADDR.TYP	QTPF	PAYOFF QUOTE SHIP FM	0
2	ADDR.TYP	QTPA	PAYOFF QUOTE ADM ORG	0
1	IC.TYP		ITEM CHARGE TYPE	4
2	IC.TYP	PRNA	PRINCIPAL AMOUNT	0
2	IC.TYP	INTA	INTEREST AMOUNT	0
2	IC.TYP	UPFN	UPFRONT SALES TAX	0
2	IC.TYP	SOAS	SALE OF ASSET	0
2	TRN	926	VTX O TAX DISBURSAL	0

1	ASM.TAXCLS		ASSESSMENT TAX CLASS	4
2	ASM.TAXCLS	NONE	DEFAULT TAX CLASS	0
2	TXP	NOAP	UPFT EXMPT ASMT PYOF	0
2	PREPAY	TRM1	% OF ACQ DECL FROM 1	0
2	PREPAY	TRM2	% OF ACQ DECL FROM 2	0
1	FEE.SRC		FEE SOURCE	0
2	FEE.SRC	PMTX	U0107 PAYMENT EXT	0
2	FEE.SRC	LSEX	U0108 LEASE EXT	0
2	FEE.SRC	PDDC	U0118 PMT DUEDAY CHG	0
2	PMT.ORIG	LPCR	LP CREDIT MEMO	0
2	PMT.ORIG	LPRB	LP REBOOK	0
2	PMT.ORIG	LPRC	LP REVERSE CHECK	0
2	PMT.ORIG	LPRL	LP REMOVE LEASE	0
2	PMT.ORIG	LPRV	LP PMT RESCHED REV	0
2	PMT.ORIG	LPSA	LP SALE OF ASSET	0
2	PMT.ORIG	LPSD	LP SECURITY DEP SUSP	0
2	PMT.ORIG	LPSE	LP SECURITY DEP PAYF	0
2	PMT.ORIG	LPSR	LP SALE OF ASSET REV	0
2	PMT.ORIG	LPSV	LP REVERSAL SUSP	0

[Data Add](#)

rcu Customer

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

[Column Add](#)

rdr Deferral Reversal

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
dpn_stax_fee_s	DPN key of STAX fee	VARCHAR2(24)	yes	char(24)	yes	NULL
dht_stax_fee_s	DHT key of STAX fee	VARCHAR2(24)	yes	char(24)	yes	NULL
stax_fee_cash_c	STAX fee cash received (Y/N)	CHAR(1)	yes	char(1)	yes	NULL
stax_fee_d	STAX fee amount	NUMBER(15,2)	yes	double precision	yes	0.0
ddr_flg_c	DDR version flag (1/2)	CHAR(1)	yes	char(1)	yes	'1'

	1 - old style 2 - new style					
--	--------------------------------	--	--	--	--	--

Column Add

reqa Asset 2

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_taid_s	Vertex tax area id	CHAR(10)	yes	char(10)	yes	NULL
eq_cnty_s	Equipment county	VARCHAR2(60)	yes	char(60)	yes	NULL
tax_pmt_typ_s	Tax payment type (ST/UC/UR) ST - Stream UC - Upfront cost UR - Upfront rentals	CHAR(2)	yes	char(2)	yes	NULL
upf_ao_dlr_s	Upfront sales tax admin origin - vendor number	CHAR(9)	yes	char(9)	yes	NULL
pay_tpx_s	Payoff/sale tax payment code (TXP code)	CHAR(4)	yes	char(4)	yes	NULL
assmt_tax_cls_s	Assessment tax class (ASM.TAXCLS code)	CHAR(4)	yes	char(4)	yes	NULL

Column Add

res Equity Movement Status

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_taid_s	Vertex tax area id	CHAR(10)	yes	char(10)	yes	NULL
add2_s	Address 2	VARCHAR2(36)	yes	char(36)	yes	NULL
cnty_s	County	VARCHAR2(60)	yes	char(60)	yes	NULL
cty_s	City	VARCHAR2(25)	yes	char(25)	yes	NULL

Column Add

rgr Guarantor

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

Column Add

rha Historical Accounts Receivable

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_o_c	Use Vertex O (Y/N/NULL) Y - Vertex O is used N or NULL - Vertex O is not used	CHAR(1)	yes	char(1)	yes	NULL

Column Add

rhqa Historical Asset for Lease Extension/Reversal 2

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_taid_s	Vertex tax area id	CHAR(10)	yes	char(10)	yes	NULL
eq_cnty_s	Equipment county	VARCHAR2(60)	yes	char(60)	yes	NULL
tax_pmt_typ_s	Tax payment type (ST/UC/UR) ST - Stream UC - Upfront cost UR - Upfront rentals	CHAR(2)	yes	char(2)	yes	NULL
upf_ao_dlr_s	Upfront sales tax admin origin - vendor number	CHAR(9)	yes	char(9)	yes	NULL
pay_tpx_s	Payoff/sale tax payment code (TXP code)	CHAR(4)	yes	char(4)	yes	NULL
assmt_tax_cls_s	Assessment tax class (ASM.TAXCLS code)	CHAR(4)	yes	char(4)	yes	NULL

Column Add

rhr Historical Tax Released for Use Tax Disbursal

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
cnty_s	County	VARCHAR2(60)	yes	char(60)	yes	NULL
cty_s	City	VARCHAR2(25)	yes	char(25)	yes	NULL

Column Add

rhsb Historical Lease for Lease Extension/Reversal 3

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_o_c	Use Vertex O (Y/N/NULL) Y - Vertex O is used N or NULL - Vertex O is not used	CHAR(1)	yes	char(1)	yes	NULL

Column Add

rin Investor

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

Column Add

rle Lender

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
-------------	-------------	-----------------	-------------------	-----------------	-------------------	---------------

d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

Column Add

rlr Vendor

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_taid_s	Vertex tax area id	CHAR(10)	yes	char(10)	yes	NULL
cnty_s	County	VARCHAR2(60)	yes	char(60)	yes	NULL
d_lup_s	Date of last update	DATE	yes	datetime	yes	NULL
t_lup_s	Time of last update	CHAR(6)	yes	char(6)	yes	NULL

Column Add

rlsb Lease 3

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_o_c	Use Vertex O (Y/N/NULL) Y - Vertex O is used N or NULL - Vertex O is not used	CHAR(1)	yes	char(1)	yes	NULL

Column Add

rou Addresses for Asset

NEW TABLE

Table Name Description

rou	Addresses for Asset
-----	---------------------

Table Add

rpay Portfolio 2

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
vtx_o_c	Use Vertex O (Y/N/NULL) Y - Vertex O is used N or NULL - Vertex O is not used	CHAR(1)	yes	char(1)	yes	'N'
pmt_rsc_assmt_code_s	Payment reschedule assessment code (ASM.TYP.L code)	CHAR(4)	yes	char(4)	yes	'PEXT'
pxt_assmt_code_s	Payment extension assessment code (ASM.TYP.L code)	CHAR(4)	yes	char(4)	yes	'PEXT'
lxt_assmt_code_s	Lease extension assessment code (ASM.TYP.L code)	CHAR(4)	yes	char(4)	yes	'LEXT'

due_assmt_code_s	Payment due day change assessment code (ASM.TYP.L code)	CHAR(4)	yes	char(4)	yes	'PEXT'
------------------	---	---------	-----	---------	-----	--------

Column Add

rpe Post-Delete Processing

NEW TABLE

Table Name Description

rpe	Post-Delete Processing
-----	------------------------

Table Add

rph Payment History

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
chk_num_s	Check number	CHAR(10)	yes	char(10)	yes	NULL

Column Add

rpw Password History

Column Name	Description	Old Oracle Datatype	Old Oracle Allow Null	Old Sybase Datatype	Old Sybase Allow Null	New Oracle Datatype	New Oracle Allow Null	New Sybase Datatype	New Sybase Allow Null
pwd_s	Password	CHAR(8)	yes	char(8)	yes	CHAR(12)	yes	char(12)	yes

Column Change

rrr Reschedule Reversal

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
drr_flg_c	DRR version flag (1/2) 1 - old style 2 - new style	CHAR(1)	yes	char(1)	yes	'1'

Column Add

rsa Sales Tax on Assessment

Index Name Old Pieces New Pieces

rsa_idx0	por_s st_s rsa_code_s	por_s assmt_tax_cls_s st_s rsa_code_s
----------	-----------------------	---------------------------------------

Index Change

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
assmt_tax_cls_s	Assessment tax class (ASM.TAXCLS code)	CHAR(4)	no	char(4)	no	'NONE'

Column Add

rtf Transaction Fee for Reversal

NEW TABLE

Table Name Description

rtf	Transaction Fee for Reversal
-----	------------------------------

Table Add**rtp Tax Payable**

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
cnty_s	County	VARCHAR2(60)	yes	char(60)	yes	NULL
cty_s	City	VARCHAR2(25)	yes	char(25)	yes	NULL

Column Add**rtr Tax Released**

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
cnty_s	County	VARCHAR2(60)	yes	char(60)	yes	NULL
cty_s	City	VARCHAR2(25)	yes	char(25)	yes	NULL

Column Add**rvg Vertex Custom General****NEW TABLE**

Table Name Description

rvg	Vertex Custom General
-----	-----------------------

Table Add

Column Name	Description	Oracle Datatype	Oracle Allow Null	Sybase Datatype	Sybase Allow Null	Initial Value
ffc_ascd_l	Reserve indicated flexible character field for ASCD information	NUMBER(10)	yes	integer	yes	25
orig_ffc01_s	Origin code for Vertex flexible character field 1 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc02_s	Origin code for Vertex flexible character field 2 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc03_s	Origin code for Vertex flexible character field 3 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc04_s	Origin code for Vertex flexible character field 4 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc05_s	Origin code for Vertex flexible character field 5 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc06_s	Origin code for Vertex flexible character field 6 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc07_s	Origin code for Vertex flexible character field 7 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL

orig_ffc08_s	Origin code for Vertex flexible character field 8 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc09_s	Origin code for Vertex flexible character field 9 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc10_s	Origin code for Vertex flexible character field 10 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc11_s	Origin code for Vertex flexible character field 11 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc12_s	Origin code for Vertex flexible character field 12 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc13_s	Origin code for Vertex flexible character field 13 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc14_s	Origin code for Vertex flexible character field 14 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc15_s	Origin code for Vertex flexible character field 15 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc16_s	Origin code for Vertex flexible character field 16 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc17_s	Origin code for Vertex flexible character field 17 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc18_s	Origin code for Vertex flexible character field 18 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc19_s	Origin code for Vertex flexible character field 19 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc20_s	Origin code for Vertex flexible character field 20 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc21_s	Origin code for Vertex flexible character field 21 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc22_s	Origin code for Vertex flexible character field 22 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc23_s	Origin code for Vertex flexible character field 23 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc24_s	Origin code for Vertex flexible character field 24 (VTX.FFC code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffc25_s	Origin code for Vertex flexible	CHAR(4)	yes	char(4)	yes	NULL

	character field 25 (VTX.FFC code)					
orig_ffn01_s	Origin code for Vertex flexible numeric field 1 (VTX.FFN code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffn02_s	Origin code for Vertex flexible numeric field 2 (VTX.FFN code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffn03_s	Origin code for Vertex flexible numeric field 3 (VTX.FFN code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffn04_s	Origin code for Vertex flexible numeric field 4 (VTX.FFN code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffn05_s	Origin code for Vertex flexible numeric field 5 (VTX.FFN code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffd01_s	Origin code for Vertex flexible date field 1 (VTX.FFD code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffd02_s	Origin code for Vertex flexible date field 2 (VTX.FFD code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffd03_s	Origin code for Vertex flexible date field 3 (VTX.FFD code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffd04_s	Origin code for Vertex flexible date field 4 (VTX.FFD code)	CHAR(4)	yes	char(4)	yes	NULL
orig_ffd05_s	Origin code for Vertex flexible date field 5 (VTX.FFD code)	CHAR(4)	yes	char(4)	yes	NULL

Column Add

rvh Historical Vertex O Submission

NEW TABLE

Table Name Description

rvh	Historical Vertex O Submission
-----	--------------------------------

Table Add

rvl Vertex O Lease Invoice Parameters

NEW TABLE

Table Name Description

rvl	Vertex O Lease Invoice Parameters
-----	-----------------------------------

Table Add

rvp Vertex O Tax Payable

NEW TABLE

Table Name	Description
------------	-------------

rvp	Vertex O Tax Payable
-----	----------------------

[Table Add](#)

rvr Vertex O Tax Result

NEW TABLE

Table Name	Description
------------	-------------

rvr	Vertex O Tax Result
-----	---------------------

[Table Add](#)

rvs Vertex O Submission

NEW TABLE

Table Name	Description
------------	-------------

rvs	Vertex O Submission
-----	---------------------

[Table Add](#)

rvu Vertex O Invoice Parameters

NEW TABLE

Table Name	Description
------------	-------------

rvu	Vertex O Invoice Parameters
-----	-----------------------------

[Table Add](#)

rvuf Vertex O Invoice Flexible Fields

NEW TABLE

Table Name	Description
------------	-------------

rvuf	Vertex O Invoice Flexible Fields
------	----------------------------------

[Table Add](#)

rvx Vertex O Transaction

NEW TABLE

Table Name	Description
------------	-------------

rvx	Vertex O Transaction
-----	----------------------

[Table Add](#)

rwh Vertex O Asset Level Transaction History

NEW TABLE

Table Name	Description
------------	-------------

rwh	Vertex O Asset Level Transaction History
-----	--

[Table Add](#)

rwp Vertex O Asset Level Invoice Parameters

NEW TABLE

Table Name Description

rwp	Vertex O Asset Level Invoice Parameters
-----	---

[Table Add](#)**rwpf Vertex O Asset Level Unit Invoice Flexible Fields****NEW TABLE****Table Name Description**

rwpf	Vertex O Asset Level Unit Invoice Flexible Fields
------	---

[Table Add](#)**rwrr Vertex O Asset Level Tax Result****NEW TABLE****Table Name Description**

rwrr	Vertex O Asset Level Tax Result
------	---------------------------------

[Table Add](#)**rws Vertex O Asset Level Submission****NEW TABLE****Table Name Description**

rws	Vertex O Asset Level Submission
-----	---------------------------------

[Table Add](#)**rwxx Vertex O Asset Level Transaction****NEW TABLE****Table Name Description**

rwxx	Vertex O Asset Level Transaction
------	----------------------------------

[Table Add](#)**Enhancements**

Sorted by ticket number, ascending. For enhancements delivered specifically in this release (if any), refer to the [Release Bulletin \(65a_release_bulletin_mr16.pdf\)](#). For a cumulative listing of enhancements in this or previous LeasePak versions, refer to the [Release Notes Archive](#).

523268 Vertex O Series**Build 4090**

The Vertex® Indirect Tax O Series Interface is a separately purchasable module of LeasePak. Vertex Indirect Tax O Series Interface permits LeasePak to offload the responsibility of calculating sales and use tax along with maintaining a tax journal to a separate software product available from Vertex Inc.

- [Vertex® Indirect Tax O Series Overview](#)

529703 Vertex O Conversion Utility

Build 4090

Vertex O conversion utility update allows a user to convert existing contracts to Vertex O contracts. User must convert a contract to Vertex O before using Vertex O interface engine for tax calculations.

- [Vertex O Conversion Update Overview](#)
- [Vertex O Conversion Update Utility](#)

530631 Streamline Batch Applications

Build 4090

Streamline Batch Applications allows a user to automatically book the application once the status of the application is approved. But the application must have booked assets at the time of the status transfer.

- [Application Tracking -> Batch Applications](#)

531439 Sales Tax on Assessment Defined Using a Custom Asset Code

Build 4012

This enhancement allows a user to define sales tax assessments for assets by a new field of Assessment Tax Class code to define and select assessment tax class. This Assessment Tax Class field enhances LeasePak to define the taxability of assessments for an asset. Users can create these assessment tax classes by using U0725 Sales Tax on Assessments. The custom codes can be added to an asset and will be used when an invoice accrues for that asset with assessment charges or when there are manual assessments.

- [U0101 Add Asset](#)
- [U0210 Asset](#)
- [U0230 Multi Asset Maintenance](#)
- [U0722 Custom Code](#)
- [U0725 Sales Tax On Assessments](#)
- [U0801 Application Asset Tabs-> Tab 5: Miscellaneous](#)
- [R0502 Application Inquiry](#)
- [R0905 Lease Inquiry](#)

531520 New Upfront Sales Tax Code

Build 4012

This enhancement supports NOAP use sales tax code to charge sales tax. This use tax code will not charge sales tax on assessments and payoff.

- [U0101 Add Asset -> Use Tax Code](#)
- [U0210 Asset](#)
- [U0801 Application Asset Tabs -> Tab 5: Miscellaneous](#)
- [U0801 Application Asset Tabs -> Tab 7: Upfront Sales Tax](#)

531736 API To Retrieve Model Amortization Information

Build 4090

Adds a new web service named LPReports to support external reports with method getR0109. The method accepts input XML, process the input XML file through edit checks of r0109 and returns r0109 XML report.

- [Web Service LPLookup -> getR0109](#)

531737 API To Extract Portfolio Information

Build 4090

This enhancement adds a new web service LPLookup and a method getPortfolio. getPortfolio extracts portfolio information from LeasePak database table rac Preauthorized Payments Control to use in Credit Application Processing System. The method supports only File Map Type against a given portfolio ID. getPortfolio accepts portfolio number as an input, validates the input portfolio number and returns extracted information from rac Preauthorized Payments Control table.

- [Web Service LPReports -> getPortfolio](#)

531740 API To Extract Extended Codes

Build 4090

This enhancement allows a user to extract record(s) of portfolio, company, region, office, state, city, county, manufacturer, or model. The method extractExtenedCodes takes input parameter and process it depending on the input parameter provided to synchronize Credit Application Processing system.

- [Web Service LPSearch -> extractExtendedCodes](#)

531741 API To Search Form Codes

Build 4090

This enhancement adds a new method to the web service LPSearch named *extractFormcodes*. extractFormCodes allows a user to extract different LeasePak form codes. The method search for form codes depending on the given input criteria and extracts records from LeasePak database rca Lease Form table.

- [Web Service LPSearch -> searchFormCodes](#)

531742 API To Extract Base Rates

Build 4090

This enhancement allows a user to get base rates from LeasePak database. The enhancement adds a new web service named LPLookup and a method getBaseRates. getBaseRates extracts LeasePak base rates from LeasePak database rpr Daily Base Rate table. The method searches and returns output based on input provided as a prime bank id and method values to extract base rate against a particular financial institution in the given month.

- [Web Service LPLookup -> getBaseRates](#)

531743 API To Extract Custom Codes

Build 4090

This enhancement adds a new method `getAllCodes` to the LeasePak web service `LPSearch` and allows a user to extract custom codes defined in LeasePak update u0722 Custom Code.

- [Web Service LPSearch -> getAllCodes](#)

531744 API For Lessee Exposure**Build 4090**

This enhancement allows a user to extract lessee information from LeasePak database. This method takes lessee number as an input data and returns lessee information in an XML document.

- [Web Service LPSearch -> getLesseeExposure](#)

531745 API To Search Client**Build 4090**

This enhancement allows a user to search client information from LeasePak database. The method of this enhancement supports to search different client types (lessee, broker, and guarantor).

- [Web Service LPSearch -> searchClient](#)

531746 New Option for Client Receives Advance Money**Build 4090**

This enhancement allows a user to reduce the accounts payable amount due to a dealer by amount for the advance payment including the tax associated with by default. All other payments due at commencement will default to be invoiced. This is only in case when the payment is from the advance lease payment or advance loan payment from the payment schedule and does not include any interim rent. Users must own Partial Deductions module to reduce the accounts payable amount due to a dealer by only the advance payment including the tax associated with the advance payment by default.

- [U0101 New Lease](#)
- [U0212 Portfolio](#)
- [Utility 218 Batch Application](#)

531747 Batch Check Disbursal**Build 4090**

This enhancement upgrades the web service `LPBookLease` functionality to disburse check. The `disburseCheck` method of `LPBookLease` accepts `IDC2` disbursement type to disburse check through LeasePak API.

- [Web Service LPBookLease -> disburseCheck](#)

532385 Web Services for LOS Tax Information**Build 4090**

This enhancement adds two web services to LeasePak LinkIT named `NstfsLosTax` and `NstfsLosGeo`. The web service `NstfsLosTax` contains method named `taxCalc` and web service

NstfsLosGeo contains a method named geoSearch. These two web services allow a user to search for the appropriate geocode location and then calculate tax for any type of charges in that location using the geocode tax rates in LeasePak.

- [Web Service NstFsLosGeo -> geoSearch](#)
- [Web Service NstFsLosTax -> taxCalc](#)

532672 Add *AX* & *IX* accrual methods to the Prorate Income module

Build 4126

This enhancement supports the following interest bearing loan accrual methods to the Prorate Income module: AAX6, AAX5, AAX0, AAXE, AIX6, AIX5, AIX0, AIXE, RAX6, RAX5, RAX0, RAXE, RIX6, RIX5, RIX0, and RIXE. The amount of interest income accrued will be based on the number of days the interest-bearing loan was active for each month. Active is defined as an interest-bearing loan that has not been paid off or terminated.

- [Prorate Income](#)

532935 Manufacturer/Model Code Load API

Build 4126

This enhancement adds a new web service to LeasePak mPower with class LPAuxTableMaint and a method loadMnfMdl to load manufacturer and model codes along with their descriptions.

- [Web Service -> LPAuxTableMaint](#)

532985 Remove Certain Limitations from Utility 219

Build 4256

This enhancement modifies Utility 219 Transfer Data from Scratch Files into RBS Table for BA to provide the option to enforce or not enforce the limitations that do not allow Property Tax Assessments to be loaded if ACH is turned on or the lease is in bankrupt or bad debt status.

- [Utility 219 Transfer data from scratch files into RBS table for BA](#)
- [Batch Assessment \[U0418\]](#)

533238 Double Code Performance Mods

Build 4142

The enhancement includes the double code of the following projects:

- 532792
- 532833
- 532924
- 532925
- 532926
- 532927
- 532928
- 532878

- 532810

533253 PCRO Structure API (532934)

Build 4126

Adds a new method, getPCRO in class LPSearch of the LinkIT API web services. This method will return all possible Portfolio (P), Company (C), Region (R), Office (O) combinations along with their respective descriptions.

- [LPSearch -> getPCRO](#)

533317 Additional Supported Fields for Lessee and Guarantor

Build 4126

This enhancement supports new supported fields for LESSEE_RECORD and GUARANTOR_RECORD. These supported fields are used in the mPower classes MsiAppExtractor, MsiAppOriginator, and MsiAppOriginatorDocLit.

- [Supported Fields](#)

533381 Adjust Unamortized IDCs and IDRs for IBL

Build 4126

This enhancement reduces the unamortized IDC, IDC1, IDC2, IDR1, IDR2, IDR3, and IDR4 amounts when an asset payoff or an asset termination on an interest-bearing loan is processed. The amount reduced will be proportional to the asset's percent of schedule.

- [U0212 Portfolio](#)
- Interest Bearing Loan Overview: [Asset level Payoff/Termination](#)
- [General Ledger Accounting: Payoff/Termination](#)

533575 Update AcquireIT Workbook Template

Build 4126

Updates the excel workbook template to match with the supported fields in the API. The ChannelIT web pages will be bypassed and the user sent to AcquireIT after log in since the ChannelIT module is no longer supported.

- [AcquireIT](#)

533613 Double Code Performance Improvements

Build 4126

Delivery of the double code of the following projects.

- 532792
- 532833
- 532924
- 532925
- 532926

- [532927](#)
- [532928](#)

533665 MPower API Documentation for 65a

Build 4142

The enhancement provides documentation of mPower API web services with independent sample input / output, request & response DTD's and reference grids for each method of all web services.

- [Web Services API \(LinkIT\)](#)

533755 API Deployment Scripts

Build 4142

The enhancement allows LeasePak users to deploy and UN-deploy API web services by running shell scripts. The new script files are located in mPower builds under **WEB_INF/deploymentscripts** folder.

- [mPower Server](#)

534922 Third Party Payable Statements

Build 4256

This enhancement adds additional fields to the U0122 Third Party Payable report. It allows a user to update general ledger accounts. A new Utility 251 allows users to schedule and run the function at a specified day each month. That day can be different for each recurring charge type and each portfolio.

- [U0122 Third Party Payable](#)
- [Utility 251 Third Party Payable](#)

536049 Invoice Scratch File

Build 4256

This enhancement of the invoice scratch file adds a number of data elements to the invoice scratch file output.

- [U0302 Cycle Invoices](#)

536129 API for Auto Lease Extension

Build 4256

Requires Web Services API, Lease Extension, and Lease Extension Reversal modules. This enhancement adds the class LPAutoLeaseExtension to Web Services that provides the functionality of Automatic Lease Extension through the API. This new class includes the methods addExtension, changeExtension, deleteExtension, and retrieveExtension.

- [Web Service → LPAutoLeaseExtension](#)

536755 Vertex-O Custom General Updates

Build 4256

U0712 Custom General → Vertex-O Customization now allows a user to edit blank Flexible code fields even after first Vertex O invoice. This applies only to blank Flexible code fields—once a Flexible code field is filled and changes saved, the contents are not editable.

- [U0712 Vertex O Customizations](#)

537048 Batch Suspense**Build 4256**

Requires Batch Payments module. Requires Multiple Banks module to use bank codes. Requires Cash Control module to use the 'T' element. Enhances the batch payment process so that the input file can indicate when the money should go directly to Suspense instead of being applied to an open invoice. If the payment record includes a bank code, the general ledger transaction will use that bank account for the other side of the Suspense transaction.

- [U0415 Batch Payment Input File](#)

537380 Web Services API: R0404 Accounts Receivable Balancing**Build 4271**

This enhancement allows a user to extract R0404 Account Receivable Balancing Report data for a particular lease by using the method getR0404 of web service LPReports.

- [LPReports → getR0404](#)

537381 Web Services API: R0909 Account Payment History**Build 4271**

This enhancement allows a user to extract an XML version of R0909 Account Payment History Report data for a particular lease by using the method getR0909 of web service LPReports.

- [LPReports → getR0909](#)

537382 Web Services API: F5 Lease Summary**Build 4271**

This enhancement adds a new web service LPLeaseSummary that has different methods to extract the same XML data that is used to extract lease data when running F5 Lease Summary from LeasePak interactively. The new LPLeaseSummary class will be used to run the mp_xml_lsesum stored procedure for a particular lease to get XML output. A method getLeaseDetails will extract the lease summary details.

- [LPLeaseSummary](#)

537383 Web Services API: F5 Lease Summary → Asset Summary**Build 4271**

This enhancement allows a user to extract F5 Asset Summary details as XML output with the use of method getAssetSummary by inputting a lease number and running the cp_asset_sum stored procedure for a particular lease.

- [LPLeaseSummary](#) → [getAssetSummary](#)

537384 Web Services API: F5 Lease Summary → Asset Detail

Build 4271

This enhancement allows a user to extract F5 Asset detail as XML output with the use of method `getAssetDetail` by running the `cp_asset_dtl` stored procedure for a particular lease.

- [LPLeaseSummary](#) → [getAssetDetail](#)

537385 Web Services API: Customer Summary Address Update

Build 4271

This enhancement processes address updates the same as Customer Summary in the Customer Service Tracking Module. It adds two new methods to `LPBookLease` to extract the client list for a lease and to update the asset address tied to a lease. This enhancement also updates `extractBookLease` records for Customer and Lessee/Co-Lessee

- [LPBookLease](#) → [updateAssetAddress](#)
- [LPBookLease](#) → [extractClientList](#)
- [LPBookLease](#) → [extractBookLease](#)

537386 Web Services API: Load Batch Payment File

Build 4271

This enhancement adds a class `LPPayment` to perform different functions that affect a payment within LeasePak. It includes different methods to execute required action related to payments.

- [LPPayment](#)

537387 Web Services API: Lease List for Lessee

Build 4271

This enhancement adds a new method named `getLeasesforLessee` to web service `LPSearch`. This new method allows a user to retrieve all of the leases for one lessee number at a time.

- [LPSearch](#) → [getLeasesForLessee](#)

537388 Web Services API: F5 Lease Summary → Payment Schedule

Build 4271

This enhancement allows a user to extract F5 Lease Summary details as XML output with the use of method `getPaymentSchedule` by inputting the lease number and running the `mp_rls_p_info` stored procedure for a particular lease.

- [LPLeaseSummary](#) → [getPaymentSchedule](#)

Current Release Notes | Release Notes Archive

© 2018 NetSol Technologies. All rights reserved.

The information contained in this document is the sole property of NetSol Technologies, Inc. Use of the information contained herein is restricted. Conditions of use are subject to change without notice. NetSol Technologies, Inc. assumes no liability for any inaccuracy that may appear in this document nor does it have the obligation to update any of the information contained herein; the contents of this document do not constitute a promise or warranty. The software described in this document is furnished under license and may be used or copied only in accordance with the terms of said license. Unauthorized use, alteration, or reproduction of this document without the written consent of NetSol Technologies, Inc. is prohibited.