TWiki > DICE Web > RATUnit > RaTPackagesToUbuntu (28 Jan 2021, GrahamDutton)

Warning - not *strictly* maintained - see headers for full details

Key

field	purpose
Package	SL7 package name/version
Available on Ubuntu?	Is this available in Ubuntu repositories?
Ubuntu Status	Progress of port to ubuntu, if details required
Comments	Comments

Ubuntu Software Requirements

List generated from the contents of packages/dice/dice_sl7_rat.rpms Please see
https://svn.lcfg.org/svn/lcfg/core/packages/dice/dice_ubu2004_rat_updates.pkgs for *live* data on
these packages, this page remains useful for occasional checks but is likely outdated.

Work in progress!

Core RAT Requirements

Package	Available on Ubuntu?	Ubuntu status	Comments
dice-submit-3.6.5-2	✅	◈ not planning on deployment	not setgid yet - packaging tweak required
cosignego	✅	✅ deployed to env_user	
crichton	✅	✅	TODO: CRICHTON_BECAUSE() blocks (including zenity .desktop equivalents) when software is unavailable.
csvfix-1.7-3.inf		◈ package needed	nice-to-have only
latex.local.informatics		✅ deployed to dice_latex	(not needed for teaching)
ttf-mscorefonts-informatics	✅		rebuild with static files, since we're licensed
chrome-remote-desktop	✅	✅ header added to RAT	

Teaching Requirements (see TeachingSoftware2020 for master list, this list is to guide development only).

Package	Available on Ubuntu?	Ubuntu status	Comments
agda-2.6.0.1-1.inf	✅		
agda-module-2.6.0.1-1.inf/noarch	⬥		not needed initially, using base ghc
agda-default-2.6.0.1-1.inf/noarch	⬥		not needed initially, using base ghc
agda-stdlib-1.1-0.inf	n/a		probably not required, this was preloaded for exams
arcade-learning-environment-0.5.1-0.inf	see rat		
android_studio-3.5-5.inf	see rat		probably only on physical machines
arduino-1.8.11-1.inf	✅		
rxtx-2.2-0.6.20100211.inf	✅		arduino dep, aka librxtx-java
axiom-2014.08p1-1.el7	✅		
bluej-4.2.1a-1.inf/noarch	✅		
scenebuilder-11.0.0-0.inf	✅		needs better .desktop file integration
javafx-11-11.0.2-1.inf	✅		libopenjfx
javafx-11-module-11.0.2-1.inf/noarch	⬥		probably not required
blender-2.76b-0.inf	✅		
code-1.41.1-1576681965.el7	✅		
code-plugins-1.2-0.inf/noarch	n/a		probably not required, this was preloaded for exams
cogent-2.3.8-1.inf			packaged but buggy
coq-8.6.1-0.inf	✅		
coq-coqide-8.6.1-0.inf	✅		
coq-emacs-8.6.1-0.inf/noarch			unknown
coq-emacs-el-8.6.1-0.inf/noarch			unknown
hevea-2.32-1.el7	✅		COQ dep
dia-0.97.3-6.el7	✅		Dia
libart_lgpl-2.3.21-10.el7	n/a		Dia dep
eclipse4.8-4.8.0-0.inf	✅		Default Eclipse (4.12)
eclipse4.8-soledefault-4.8.0-0.inf	n/a		shim package, not needed
eclipse-cdt4.8-4.8.0-0.inf	NEW see rat		CDT Eclipse - need special build
eclipse-cdt4.8-soledefault-4.8.0-0.inf	n/a		CDT Eclipse

eclipse-model4.8-4.8.0-0.inf	NEW see rat	Eclipse model - need special biuld
eclipse-model4.8-soledefault-4.8.0-0.inf	n/a	Eclipse model
gradle-5.6-1.inf	✅	
dice-atom-packages-haskell-0.1-0.inf	n/a	probably not required, this was preloaded for exams
papyrus-4.5.0-0.inf	NEW see rat	for SDM lab exam - need special build
glfw-3.2.1-2.el7	✅	
glpk-4.55-4.el7	✅	
glpk-utils-4.55-4.el7	✅	
htk-3.4.1-1.inf		
netbeans-8.0.2-0.inf/noarch	✅	
netbeans-maven-3.0.4-0.inf/noarch	n/a	n/a I think
isabelle-2018-2.in	see rat	
isabelle-heaps-2018-2.inf	see rat	
gcc-arm-none-eabi-7_2018_q2-2.inf	see rat	IoTSSC
jlink-6.34.2-1	see rat	IoTSSC
keepass-2.42.1-3.el7	✅	keepassx available
Mono packages	✅	
monodevelop-5.10.0.871-0.xamarin.2		not released for 20.04, will try manual build
NUnit-2.6.3+dfsg-0.xamarin.6.epel7/noarch	✅	nunit*, libnunit* avilable
NuSMV -2.5.4-0.inf	✅	2.6.0
octave-4.0.3-1.el7	✅	
openmpi-3.0.0-1.el7	✅	multiply available
pandoc-2.7.3-0.inf	✅	
parallel-20170822-1.inf.1.el7/noarch	✅	
perl-generators-1.08-7.el7/noarch	n/a	RPM dep, ignore!
picocom-2.2-2.el7	✅	
pdfshuffler-0.6.0-8.el7/noarch	✅	pdfshuffler
pyPdf-1.13-12.el7/noarch	✅	pdfshuffler dep
pypoppler-0.12.1-28.el7	n/a	pdfshuffler dep
swipl-7.6.4-2.inf	✅	swi-prolog

protege-4.3.0-304.inf/noarch			
nltk_data-20150814-1.inf/noarch	✅		
scala-2.11.7-0.inf	✅		scala
sbt-0.13.8-1/noarch	✅		scala dep
sicstus-4.3.2-3.inf			
sicstus-emacs-4.3.2-3.inf/noarch			
stringtemplate-3.2.1-11.el7/noarch	✅		/* S2:CT RT72677 */
antlr-tool-2.7.7-30.el7/noarch	✅		stringtemplate dep, antlr, antlr3 available
teyjus-2.1-0.inf			teyjus
omake-0.9.8.6-0.rc1.inf.1	✅		teyjus dep
SPARK-2016-0.inf	n/a		SPARK, proprietary
SPARK-module-2016-0.inf/noarch	n/a		spark
GNAT-2016-1.inf	n/a		GNAT, proprietary
GNAT-module-2016-0.inf/noarch	n/a		Gnat

Research Requirements

Package	Available on Ubuntu?	Ubuntu status	Comments
dmtcp-2.5.2-1.el7	✅		
jabref-4.3.1-1.inf/noarch	✅		
mendeleydesktop-1.16.3-1.geos	✅		dodgy package though
praat-6.1.05-0.inf	✅		
pstoedit-3.73-1.el7	✅		pstoedit
plotutils-2.6-22.el7	✅		pstoedit dep
stack-2.1.3-0.inf	✅		haskell-stack

Other Requirements

Package	Available on Ubuntu?	Ubuntu status	Comments
atom-1.20.0-0.1	✅		
idea19-ce-2019.2-2.inf	✅		idea19
idea19-ce-defenv-2019.2-2.inf/noarch	n/a	n/a	idea19 dep
libjson-rpc-cpp-git20171024-0.inf	✅		libjsonrpccpp
maple-9.03-6.inf	✅		Check licensing
mononoki-1.2-0.inf/noarch	✅		
ntl-devel-11.3.0-2.inf	✅		ntl
ntl-11.3.0-2.inf	✅		ntl dep
nrn-7.4-1.inf	✅		neuron
iv-19-2.in	n/a		nrn dep, not req?
nxt-python-2.2.2-4.1/noarch	✅		libnxt, etc.
pybluez-0.18-6.el7	✅		python3-bluez
+ocwb-3.0.0-4.inf			
processing-3.3.7-0.inf	✅		packaged but broken, needs jre links set up
proofgeneral-4.1RC-4.inf/noarch	✅		another coq dep
pycharm-ce-2019.2.1-0.inf	✅		pycharm
pycharm-ce-fsnotifier-2019.2.1-0.inf	↑	n/a	pycharm dep
pycharm-ce-defenv-2019.2.1-0.inf/noarch	n/a	n/a	pycharm dep
coltex-client-1.3.3-1.el7/noarch			
detex-2.7-432			

SL7 Environment common

Package	Available on Ubuntu?	Ubuntu status	Comments
bash-4.2.46-31.inf.0	✅	5.0-6ubuntu1	Bash Shell support Packages
bash-doc-4.2.46-31.inf.0	✅	5.0-6ubuntu1	Bash Shell support Packages
dice-bash-completion-1.3.4-1/noarch	✅	1:2.10-1ubuntu1	Bash Shell support Packages
bashdefenv-5.7.0-1	✅		Bash Shell support Packages
localfuns-1.5.0-1/noarch	✅	1.5.3-1	Bash Shell support Packages
pathfix-1.6.0-1	✅	1.6.2-1	Bash Shell support Packages
dice-accntutils-1.1.5-1/noarch	✅	1.1.7-1	Services/US
perl-DBD-Pg-3.5.1-3.fc23.inf	✅	not there yet	
perl-ldapsync-1.2.18-1/noarch	✅	not there yet	neilb
kstart-4.2-7.el7	✅	4.2-2	slightly older version
renc-1.3.1-1	✅	1.3.2-1	Inf Unit
dice-invtool-0.99.44-1/noarch	✅		ascobie
sarprocess-0.0.1-1/noarch		not there yet	ascobie
Tartarus-clientreport-0.4.1-1/noarch	✅	0.5.3-1	Tartarus/ascobie
Tartarus-clientreport-gpu-0.4.1-1/noarch	↑		Tartarus/ascobie
perl-LWP-Authen-Negotiate-0.08-4.el7/noarch	↑		Tartarus/ascobie
perl-Parse-DMIDecode-0.03-5.inf	↑		Tartarus/ascobie (dmidecode itself available)
monitor-edid-3.2-1.el7	↑		Tartarus/ascobie
perl-Parse-EDID-1.0.7-1.el7/noarch	↑		Tartarus/ascobie
ibx86-1.1-30.el	↑		Tartarus/ascobie
perl-Config-IniFiles-2.79-1.el7/noarch	↑		Tartarus/ascobie
perl-Text-CSV-1.30-3.el7/noarch	↑		Tartarus/ascobie
perl-Time-ParseDate-2015.103-1.el7/noarch	↑		Tartarus/ascobie
msr-tools-1.3-3.el7	↑		Tartarus/ascobie
spectre-meltdown-checker-0.43-1.el7/noarch	↑		Tartarus/ascobie
jq-1.5-1.el7	✅	1.6-1	ascobie

oniguruma-5.9.5-3.el7	✅	related software available	ascobie - Related software oniguruma regexp library libjruby and librust
?cyrus-sasl-2.1.26-20.inf	✅		libsasl2-2
?cyrus-sasl-devel-2.1.26-20.inf	✅		
?cyrus-sasl-gs2-2.1.26-20.inf	✅		
?cyrus-sasl-gssapi-2.1.26-20.inf	✅		
?cyrus-sasl-ldap-2.1.26-20.inf	✅		
?cyrus-sasl-lib-2.1.26-20.inf	✅		
?cyrus-sasl-md5-2.1.26-20.inf	✅		
?cyrus-sasl-ntlm-2.1.26-20.inf	✅		
?cyrus-sasl-plain-2.1.26-20.inf	✅		
?cyrus-sasl-scram-2.1.26-20.inf	✅		
?cyrus-sasl-sql-2.1.26-20.inf	✅		
?emacs-EMACS_VERSION	✅	26.3+1-1ubuntu2	newer than SL7.
?emacs-nox-EMACS_VERSION	✅	↑	
?emacs-common-EMACS_VERSION	✅	↑	
?emacs-el-EMACS_VERSION/noarch	✅	↑	
?emacs-terminal-EMACS_VERSION/noarch	✅	↑	
?emacs-filesystem-EMACS_VERSION/noarch	✅	↑	
?emacs-debuginfo-EMACS_VERSION	✅	↑	

SL7 Environment graphical

Package	Available on Ubuntu?	Ubuntu status	Comments
dice-fvwm-startup-1.2.1-1			neilb for gdmr
dice-dcs-Xstartup-1.1.4-1			neilb for gdmr
dice-xdm-3.1.0-1			neilb for gdmr
+fvwm-2.6.5-9.inf.2	✅		neilb for gdmr
fvwm-icons-20060712-2/noarch	✅		neilb for gdmr
dice-session-stats-0.0.1-1/noarch			ascobie
feh-2.14-0.inf	✅		gdutton, replaces xv
AdobeReader _enu-9.5.5-1/i486	⚠️	never!	use evince or VirtualBox (or Wine?)
AdobeReader -fix-10-1/i686	⚠️	never!	use evince or VirtualBox (or Wine?)
bitstream-vera-serif-fonts-1.10-26.el7/noarch	✅		fonts-bitstream-vera
bitstream-vera-sans-mono-fonts-1.10-26.el7/noarch	↑		
bitstream-vera-fonts-common-1.10-26.el7/noarch	↑		
bitstream-vera-sans-fonts-1.10-26.el7/noarch	↑		
msttcorefonts-1.3-4.inf/noarch	⚠️	needs repackaged	arkpandora substitutes; also see above for repackage effort
dzen2-0.9.5git-0.inf	✅		i3 dep
gstreamer-ffmpeg-0.10.13-10.1.geos	✅		matlab ffmpeg support RT:86765
pdftk-2.02-1.el7	✅		RT:94684
rdesktop-1.8.4git-20190124.2.inf	✅		gdutton to build patched inf version
rstudio-1.1.447-1	✅		
rstudio-local-1-1.inf/noarch	n/a		???
unison248-2.48.4-1.geos	✅		unison
unison248-gtk-2.48.4-1.geos	✅		unison
wmii-3.9.2-4.inf	⚠️		i3wm/dwm instead
xautolock-2.2-9.el7			neilb for gdmr?
xcal-4.1.p95-4.1.inf			neilb for gdmr?
xdu-3.0-17.2.inf			neilb for gdmr?
xsnow-1.42-3.inf	✅		gdutton for everyone's amusement and

		good cheer!
xv-3.10a.jumbopatch.20070520-18.el7	⚠	surely unmaintainable now?
xv-doc-3.10a.jumbopatch.20070520-18.el7/noarch	⚠	surely unmaintainable?
gnome-shell-extension-xscreensaver-0.0.1-1/noarch		ascobie
i686/gtk2-engines-2.20.2-7.el7	n/a	DICE_I686_PACKAGES (for acroread)
i686/gtk-murrine-engine-0.98.2-7.el7	n/a	DICE_I686_PACKAGES (for acroread)
i686/pangox-compat-0.0.2-2.el7	n/a	DICE_I686_PACKAGES (for acroread)

SL7 Environment user

Package	Available on Ubuntu?	Ubuntu status	Comments
alpine-2.11-2.el7	✅		gdutton
atlas-3.10.1-21.el7	✅		libatlas; very common dep
+atlas-devel-3.10.1-21.el7	✅		alongside atlas
cosignego-0.5d-0.inf/noarch	✅		RAT, 0.9 now avail
python2-kerberos-1.3.0-3.inf	✅		python3 now
topal-76-0.inf	✅		gdutton, alpine helper
dice-directory-utils-1.0.4-1/noarch			toby
dice-diy-0.101.2-1/noarch			MPU
lame-3.99.5-2.1.geos	✅		libmp3lame
lame-libs-3.99.5-2.1.geos	✅		

-- RichardBell - 27 Apr 2020

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