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Rocky Enterprise Linux 9.2 Manual Pages on command 'AptPkg.3pm'

\$ man AptPkg.3pm

AptPkg(3pm) User Contributed Perl Documentation AptPkg(3pm)

NAME

AptPkg - interface to libapt-pkg

SYNOPSIS

use AptPkg;

DESCRIPTION

The AptPkg module provides a low-level XS interface to libapt-pkg.

Note that this interface is intended to be internal, and may change, see the

AptPkg::Config, AptPkg::System, AptPkg::Version, AptPkg::Cache, Apt::Policy and

AptPkg::Source classes for a higher level interface.

AptPkg

The AptPkg package provides the following functions:

`_init_config(CONF)`

Initialise a Configuration object (pkgInitConfig). See the init method in

AptPkg::Config.

`_init_system(CONF)`

Return a pointer to the system object (pkgInitSystem). See the system method in

AptPkg::Config.

`_parse_cmdline(CONF, ARG_DEFS, ...)`

Constructs a CommandLine instance, invokes the Parse method and returns the remaining arguments. See the parse_cmdline method in AptPkg::Config.

AptPkg::_config

The AptPkg::_config package wraps a Perl class around the Configuration class. It

provides an instance of the global `_config` object, and exposes the following methods:

Find, FindFile, FindDir, FindB, FindAny, Set, Exists,
ExistsAny, Tree and Dump.

The functions `ReadConfigFile` and `ReadConfigDir` are also provided within the package and may be used as methods.

`AptPkg::_config::item`

The `AptPkg::_config::item` package wraps a Perl class around the `Configuration::Item` class.

The `AptPkg::_config Tree` method returns an instance of this class.

Methods:

Value, Tag, FullTag, Parent, Child and Next.

`AptPkg::System`

The `AptPkg::System` package wraps a Perl class around the `pkgSystem` class. It provides an instance of the global `_system` object, and exposes the following methods:

Label, VS, Lock and UnLock.

`AptPkg::Version`

The `AptPkg::Version` package wraps a Perl class around the `pkgVersioningSystem` class. It exposes the following methods:

Label, CmpVersion, CmpReleaseVer, CheckDep and UpstreamVersion.

`AptPkg::_cache`

The `AptPkg::_cache` package wraps a Perl class around the `pkgCacheFile` class. It exposes the following methods:

Open, Close, FindPkg, PkgBegin, FileList, Packages, Policy, MultiArchCache
and NativeArch.

`AptPkg::Cache::_package`

The `AptPkg::Cache::_package` package wraps a Perl class around the `pkgCache::PkgIterator` class. It exposes the following methods:

Next, Name, FullName, Arch, Section, VersionList, CurrentVer,
RevDependsList, ProvidesList, Index, SelectedState, InstState,
CurrentState and Flags.

`AptPkg::Cache::_version`

The `AptPkg::Cache::_version` package wraps a Perl class around the `pkgCache::VerIterator` class. It exposes the following methods:

VerStr, Section, MultiArch, Arch, ParentPkg, DescriptionList,

TranslatedDescription, DependsList, ProvidesList, FileList, Index and Priority.

AptPkg::Cache::_depends

The AptPkg::Cache::_depends package wraps a Perl class around the pkgCache::Deplterator class. It exposes the following methods:

TargetVer, TargetPkg, ParentVer, ParentPkg, Index, CompType and DepType.

AptPkg::Cache::_provides

The AptPkg::Cache::_provides package wraps a Perl class around the pkgCache::PrvIteator class. It exposes the following methods:

Name, ProvideVersion, OwnerVer, OwnerPkg and Index.

AptPkg::Cache::_description

The AptPkg::Cache::_description package wraps a Perl class around the pkgCache::DescIteator class. It exposes the following methods:

LanguageCode, md5 and FileList.

AptPkg::Cache::_pkg_file

The AptPkg::Cache::_pkg_file package wraps a Perl class around the pkgCache::PkgFileIteator class. It exposes the following methods:

FileName, Archive, Component, Version, Origin, Label, Site, IndexType and Index.

AptPkg::Cache::_ver_file

The AptPkg::Cache::_ver_file package wraps a Perl class around the pkgCache::VerFileIteator class. It exposes the following methods:

File, Index, Offset and Size.

AptPkg::Cache::_desc_file

The AptPkg::Cache::_desc_file package wraps a Perl class around the pkgCache::DescFileIteator class. It exposes the following methods:

File

AptPkg::Cache::_pkg_records

The AptPkg::Cache::_pkg_records package wraps a Perl class around the pkgRecords class. It exposes the following methods:

Lookup.

AptPkg::_policy

The AptPkg::_policy package wraps a Perl class around the pkgPolicy class. It exposes the following methods:

GetPriority and GetCandidateVer.

AptPkg::_source_list

The AptPkg::_source_list package wraps a Perl class around the pkgSourceList class.

Required as an argument to the AptPkg::_src_records constructor.

AptPkg::_src_records

The AptPkg::_src_records package wraps a Perl class around the pkgSrcRecords class. It exposes the following methods:

Restart, Find.

Constants

The following APT enumerations are included, used by attributes of AptPkg::Cache.

pkgCache::Version::VerMultiArch

"AptPkg::Version::No", "AptPkg::Version::All", "AptPkg::Version::Foreign",

"AptPkg::Version::Same", "AptPkg::Version::Allowed", "AptPkg::Version::AllForeign" and

"AptPkg::Version::AllAllowed".

pkgCache::Dep::DepType

"AptPkg::Dep::Depends", "AptPkg::Dep::PreDepends", "AptPkg::Dep::Suggests",

"AptPkg::Dep::Recommends", "AptPkg::Dep::Conflicts", "AptPkg::Dep::Replaces",

"AptPkg::Dep::Obsoletes" "AptPkg::Dep::DpkgBreaks" and "AptPkg::Dep::Enhances".

pkgCache::Dep::DepCompareOp

"AptPkg::Dep::Or", "AptPkg::Dep::NoOp", "AptPkg::Dep::LessEq", "AptPkg::Dep::GreaterEq",

"AptPkg::Dep::Less", "AptPkg::Dep::Greater", "AptPkg::Dep::Equals" and

"AptPkg::Dep::NotEquals".

pkgCache::State::VerPriority

"AptPkg::State::Important", "AptPkg::State::Required", "AptPkg::State::Standard",

"AptPkg::State::Optional" and "AptPkg::State::Extra".

pkgCache::State::PkgSelectedState

"AptPkg::State::Unknown", "AptPkg::State::Install", "AptPkg::State::Hold",

"AptPkg::State::DeInstall" and "AptPkg::State::Purge".

pkgCache::State::PkgInstState

"AptPkg::State::Ok", "AptPkg::State::ReInstReq", "AptPkg::State::HoldInst" and

"AptPkg::State::HoldReInstReq".

pkgCache::State::PkgCurrentState

"AptPkg::State::NotInstalled", "AptPkg::State::UnPacked", "AptPkg::State::HalfConfigured",

"AptPkg::State::HalfInstalled", "AptPkg::State::ConfigFiles", "AptPkg::State::Installed",

"AptPkg::State::TriggersAwaited" and "AptPkg::State::TriggersPending".

pkgCache::Flag::PkgFlags

"AptPkg::Flag::Auto", "AptPkg::Flag::Essential" and "AptPkg::Flag::Important".

SEE ALSO

AptPkg::Config(3pm), AptPkg::System(3pm), AptPkg::Version(3pm), AptPkg::Cache(3pm),

AptPkg::Source(3pm).

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