

RPM-Bau für Einsteiger

am Beispiel von

**Kapitalist – einem serverbasierten
Multiplayer Monopoly-Spiel**

Voraussetzungen:

Paket: rpm-build

Config-Dateien: .rpmrc
.rpmmacros

Paketbaudateibaum



.rpmrc

buildarchtranslate: i386: i586

buildarchtranslate: i486: i586

buildarchtranslate: i586: i586

buildarchtranslate: i686: i586

##original Mandriva Flag

optflags: i686 -O2 -g -march=i686



.rpmmacros

Use the home directory for building.

Needed dirs (or symlinks): BUILD RPMS/i686 SOURCES SPECS SRPMS

%_topdir /home/oli/rpm-build/rpm/2008.1

%_tmppath /home/oli/rpm-build/rpm/2008.1/tmp

%_signature gpg

%_gpg_name RPM-Team MandrivaUser.de <rpm@mandrivauser.de>

%_gpg_path ~/.gnupg

%packager Oliver Burger

%distribution Mandriva Linux

%vendor RPM-Team Mandrivauser.de

%distsuffix mud

%distversion 2008.1

%_enable_debug_packages %{nil}

%debug_package %{nil}

Der Dateibaum:

```
2008.1    ->    BUILD
          ->    RPMS        ->    i586
          ->    SOURCES     ->    noarch
          ->    SPECS
          ->    SRPMS
          ->    tmp
```

Die Kommandozentrale:

das SPEC-File

Hier befinden sich:

- der Paketname
- die Version
- das Release
- Voraussetzungen
- spezielle Abhängigkeiten

- der Bauprozess
- die Menüeinträge

- die Dateiliste

- das Changelog

Der Kopf:

Header

```
%define name          kapitalist
%define version        0.4
%define release        %mkrel 1
```

```
Summary:   a Monopoly-like board game for 2-8 players
Name:       %{name}
Version:    %{version}
Release:    %{release}
Source0:    %{name}-%{version}.tar.gz
License:    GPL
Group:      Games/Boards
URL:        http://kapitalist.sourceforge.net/
BuildRoot:  %{_tmppath}/%{name}-%{version}-%{release}-buildroot
BuildRequires:  kdebbase-devel qt3-devel
Requires:   capitalist
```

Die Beschreibung:

Description

%description

Kapitalist is a Monopoly®-like board game for 2-8 players. Walk around the board, buy properties, receive rent from your competitors, try to get monopolies to build houses and hotels on them and finally be the richest on the board.

Kapitalist is server-based (the server called capitalist) and is written for KDE 3.x. Nevertheless it should also work fine under other desktop environments provided you have the KDE 3.x/Qt 3.x libraries installed.

Vorbereitungen, Bau und Installation:

```
##### Prep, Build & Install #####
```

```
%prep
```

```
%setup -q
```

```
%build
```

```
%configure --prefix=%{_prefix}
```

```
%make
```

```
%install
```

```
rm -rf %{buildroot}
```

```
%makeinstall_std
```

Der Menüeintrag:

```
##### Menu Entry #####  
mkdir -p %{buildroot}%{_datadir}/applications  
cat > %{buildroot}%{_datadir}/applications/mandriva-%{name}.desktop <<EOF  
[Desktop Entry]  
Name=%{name}  
Comment=a Monopoly-like board game for 2-8 players  
Exec=%{_bindir}/%{name}  
Icon=%{name}  
Terminal=false  
Type=Application  
StartupNotify=true  
Categories=Game;BoardGame;KDE;  
EOF
```

Der Abschluss:

```
%clean  
rm -rf %{buildroot}
```

```
%post  
%{update_menus}  
%postun  
%{clean_menus}
```



Die Dateiliste:

`%files`

`%defattr(-,root,root,0755)`

Die Dateiliste (reprice):

```
%files
%defattr(-,root,root,0755)
%{_bindir}/kapitalist
%{_datadir}/applications/mandriva-kapitalist.desktop
%{_datadir}/applnk/Games/Board/kapitalist.desktop
%{_datadir}/apps/kapitalist/icons/hicolor/*/actions/*
%{_datadir}/apps/kapitalist/kapitalistui.rc
%{_datadir}/apps/kapitalist/pics/*
%{_datadir}/apps/kapitalist/themes/board/*.conf
%{_datadir}/apps/kapitalist/themes/board/cartoon.default/*
%{_datadir}/apps/kapitalist/themes/board/monop.draft/*
%{_datadir}/apps/kapitalist/themes/dice/default/*
%{_datadir}/apps/kapitalist/themes/dice/dice.default.conf
%{_datadir}/apps/kapitalist/themes/names/*.conf
%doc %{_datadir}/doc/HTML/en/kapitalist/*
%{_datadir}/icons/hicolor/*/apps/kapitalist.png
```



Das Changelog:

%changelog

* Sat Aug 23 2008 Oliver Burger <rpm@mandrivauser.de> 0.4-1mud2008.1

- initial package for Mandrivalinux

- built live on FrOSCon

Wichtige Links:

<http://wiki.mandriva.com/en/Development/Howto/RPM>

http://wiki.mandriva.com/en/Development/Howto/RPM_Advanced

<http://wiki.mandriva.com/en/Development/Packaging/Groups>

<http://standards.freedesktop.org/menu-spec/menu-spec-1.0.html#category-registry>