Subject: Can I generate parameters for UMK?
Posted by sergeynikitin on Wed, 27 Aug 2014 07:42:55 GMT
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Can I generate command-line parameters for umk like export makefile for the package compiling. Maybe it's not difficult to adding to ide...

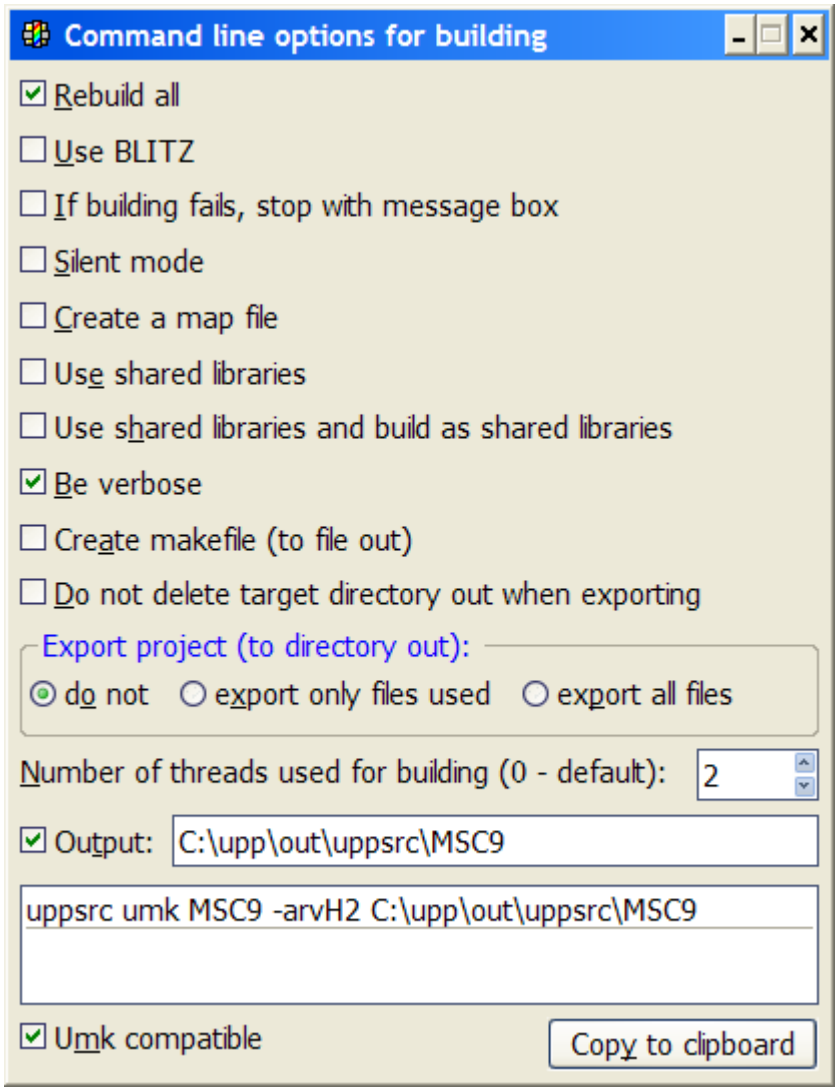
Subject: Re: Can I generate parameters for UMK?
Posted by Sender Ghost on Sun, 23 Nov 2014 19:58:46 GMT
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Hello, Sergey.

I proposed this feature on Redmine. You could try to use attached patch.
Currently, it looks like follows, after using "Build -> Output mode.." menu for umk package and click on "Command line options.." button:

Edit (2014.12.19): Updated link for new patch (for "Output mode" window).
Edit (2015.02.19): Implemented in 8021 revision.

File Attachments
1) CmdBuildOptionsOutput.png, downloaded 1070 times



Subject: Re: Can I generate parameters for UMK?
Posted by sergeynikitin on Mon, 02 Mar 2015 03:15:25 GMT
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Thank you, dear friend!

Subject: Re: Can I generate parameters for UMK?
Posted by sergeynikitin on Mon, 02 Mar 2015 04:51:43 GMT
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By the way, one more question:
Can I write config (command-line parameters set) for UMK for compile in situation when path for MyApps every time is different?

(I try to config automatic build farm on Teamcity, but building envirenment every time is path like: /home/build/agent/2015-01-15/ag0123654/MyApps/
Every time I must recreate MyApps.var with actual path /home/build/agent/2015-01-15/ag0123654/MyApps/)

There is second form of umk-parameters set, where not need to point of name of Package-Assembly.

May be, you have idea, how to simplest way transform command-line parameters of umk to second form?

How to specify umk to make as Makefile, path-independent (proceeding from the current path).

May be, you have idea, how to simplest way transform commited decision to suggested form ?

Subject: Re: Can I generate parameters for UMK?
Posted by sergeynikitin on Mon, 02 Mar 2015 04:55:43 GMT
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One more fantastic idea!
May be, We can generate Makefile based on umk calls, but not on gcc calls?

Subject: Re: Can I generate parameters for UMK?
Posted by Sender Ghost on Mon, 02 Mar 2015 10:48:31 GMT
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sergeynikitin wrote on Mon, 02 March 2015 04:51Can I write config (command-line parameters set) for UMK for compile in situation when path for MyApps every time is different?
I didn't find such command line option(s).
There is a possibility to create a different assemblies with these paths and use them instead.
The current version of umk searches assemblies and build methods in the following directories (in order):
${HOME}/.upp/umk
${HOME}/.upp/theide
${HOME}/.upp/ide
${HOME}
executable directory

So, it is possible to create (unique) assemblies (and/or build methods) in these directories.

sergeynikitin wrote on Mon, 02 March 2015 04:55May be, We can generate Makefile based on umk calls, but not on gcc calls?
This is possible, if you want to use umk (or theide) to build different packages. But I think, this is out of scope of current version, which might be used to understand about possible command line options, related to building.

I can give you examples, which you might adapt to your needs. They build some packages from examples assembly.

The batch file example (build.bat, e.g. for Windows operating system(s)):

```
@echo off
setlocal

set CURDIR=%~dp0
set UPPDIR=C:\upp
set BUILDMETHOD=MSC9
set BUILDOPTIONS=-r
rem Empty to default package configuration
set MAINCONF=
set ASSEMBLY=examples
set PACKAGES=AddressBook;Puzzle;UWord
set OUTPUTDIR=%CURDIR%build
rem theide or umk
set BUILDER=theide

if exist "%OUTPUTDIR%" (rmdir /S /Q "%OUTPUTDIR%")
mkdir "%OUTPUTDIR%"

cd "%UPPDIR%"
for %%P in (%PACKAGES%) do (
 %BUILDER% %ASSEMBLY% %%P %BUILDMETHOD% %BUILDOPTIONS% %MAINCONF%
"%OUTPUTDIR%" || exit /B
)
```

The shell file example (build.sh, e.g. for Unix-like operating system(s)):

```
#!/bin/sh

CURDIR=${PWD}
BUILDMETHOD=GCC
BUILDOPTIONS=-rs
# Empty to default package configuration
MAINCONF=
ASSEMBLY=examples
PACKAGES="AddressBook Puzzle UWord"
OUTPUTDIR=${CURDIR}/build
# theide or umk
BUILDER=theide

# Remove output directory
if [ -e "${OUTPUTDIR}" ]; then
 rm -rf "${OUTPUTDIR}"
fi;
```

```
# Create output directory with intermediate directories, if needed
mkdir -p "${OUTPUTDIR}"

for P in ${PACKAGES}; do
 ${BUILDER} ${ASSEMBLY} ${P} ${BUILDMETHOD} ${BUILDOPTIONS} ${MAINCONF}
"${OUTPUTDIR}" || break
done;
```

The Makefile example:

```
CURDIR= $(PWD)
BUILDMETHOD= GCC
BUILDOPTIONS= -rs
# Empty to default package configuration
MAINCONF=
ASSEMBLY= examples
PACKAGES= AddressBook Puzzle UWord
OUTPUTDIR= $(CURDIR)/build
# theide or umk
BUILDER= theide

all: clean build

build: create_output_dir $(PACKAGES)

$(PACKAGES):
 ${BUILDER} ${ASSEMBLY} $@ ${BUILDMETHOD} ${BUILDOPTIONS} ${MAINCONF}
"${OUTPUTDIR}"

create_output_dir:
 mkdir -p "$(OUTPUTDIR)"

clean:
 rm -rf "$(OUTPUTDIR)"

.PHONY: all
```

The more advanced build files need to create in case of build packages with different main configuration(s).

Subject: Re: Can I generate parameters for UMK?
Posted by Sender Ghost on Tue, 17 Mar 2015 08:54:49 GMT

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sergeynikitin wrote on Mon, 02 March 2015 04:51Can I write config (command-line parameters set) for UMK for compile in situation when path for MyApps every time is different?

Looks like, it's possible to specify nest directories of assembly instead of assembly name, in case of umk. It's called "Inline assembly".
For example, there is a possibility to use following ASSEMBLY value (in case of U++ local installation to "${HOME}/upp" directory) for above (Unix-like) examples:
ASSEMBLY= "${HOME}/upp/examples,${HOME}/upp/uppsrc"
i.e. nest directories per ',' (and/or ':' for Unix-like).
