

MDK-ARM Trainings Preparation

prior to the day of the training



MDK-ARM Trainings Preparation



- Notebook and Tools
- Download and Installation of the MDK
- NXP: Selection of Board and Target, Pack Installation
- STM: Selection of Board and Target, Pack Installation
- IFX: Selection of Board and Target, Pack Installation
- License Request and License Installation (PLEASE ONLY ONCE)
- Appendix, Manual Pack Installation

Notebook and Tools

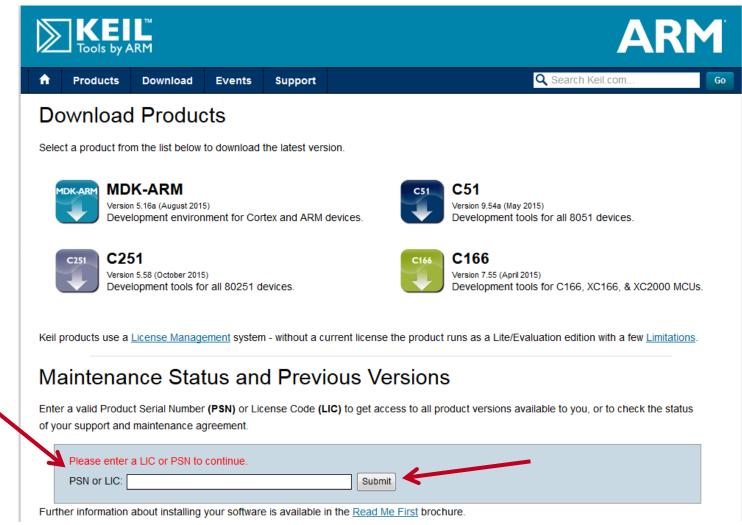


- Notebook with local admin rights
- MS Windows XP, Vista, Win7, Win8
- pdf viewer
- MDK and Training needs:
 - □ 512MB RAM available,
 - □ 1GB ROM,
 - □ 2x USB
- Rights for connecting external USB Stick
- Mouse might be helpful (3rd USB slot)





https://www.keil.com/download/product/



Submit

I Enter PSN

(from email)



Download and Installation of the MDK

Select Download



Product Downloads for PSN xxxxx-xxxxx-

Maintenance for this PSN is current until

The latest version of this product is MDK-ARM V5. released on

Click to view this version's release notes



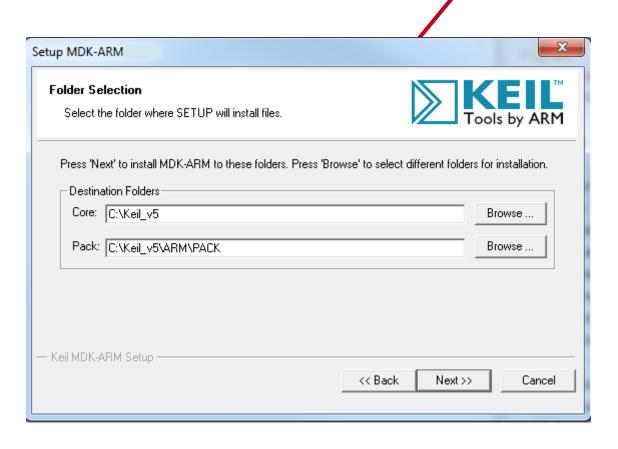
Click here to browse previous versions.





Download and Installation of the MDK

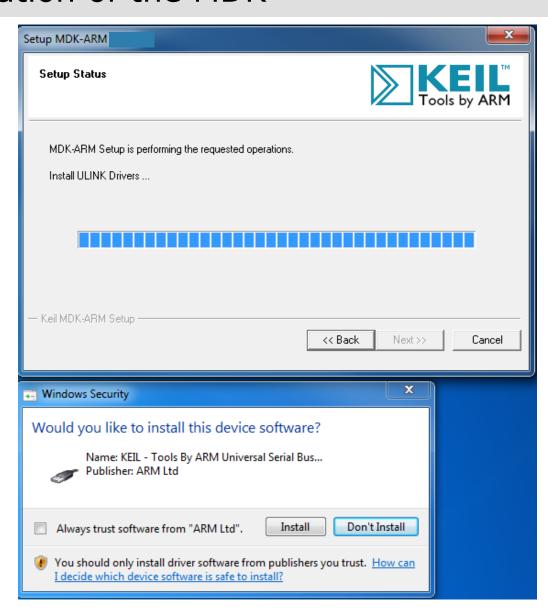
- Start mdk5xx.exe as administrator and follow the instructions
- Do not change the suggested paths





Download and Installation of the MDK

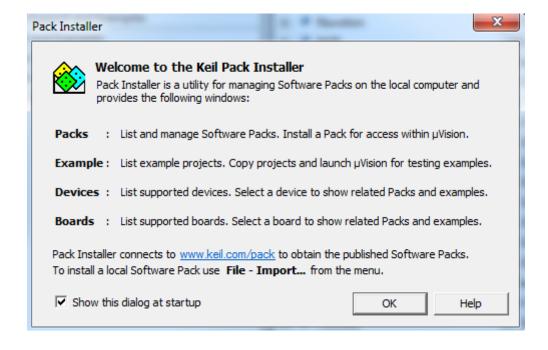
- Install all components and finish installation
- The pack installer will start







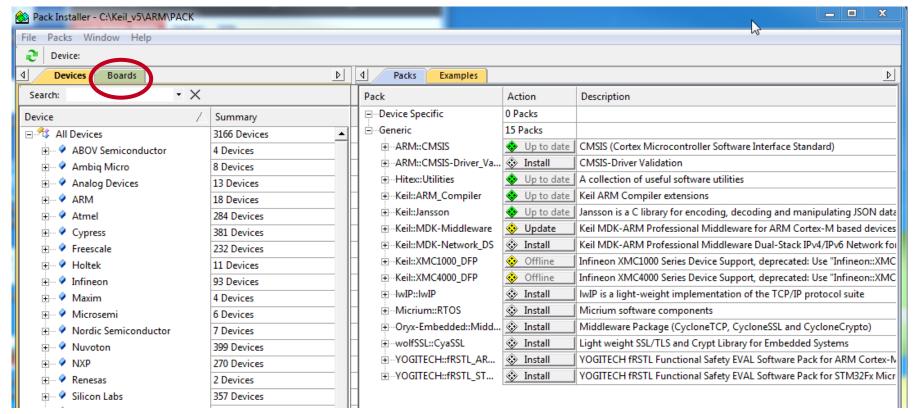
Acknowledge the pack installation



Pack Installation



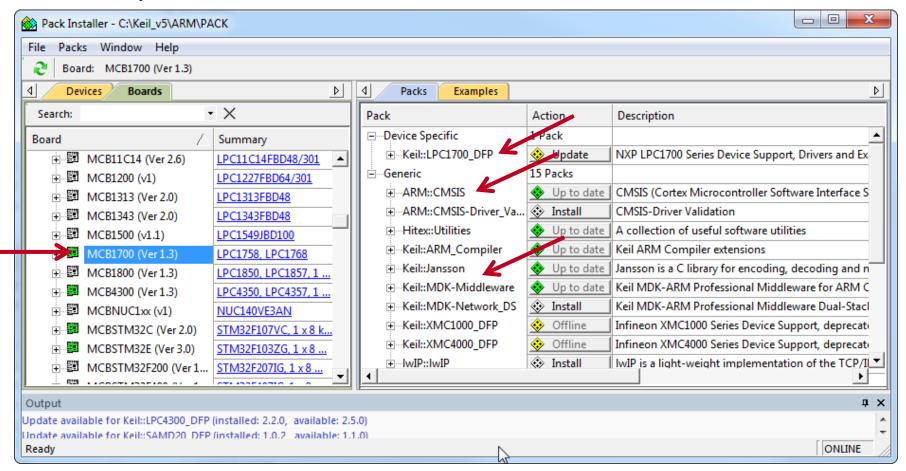
- Select tab **Boards** and follow the pack installation according to your derivate
- If the pack installation fails (limited download rights) please see the appendix of this document







Select your board MCB1700

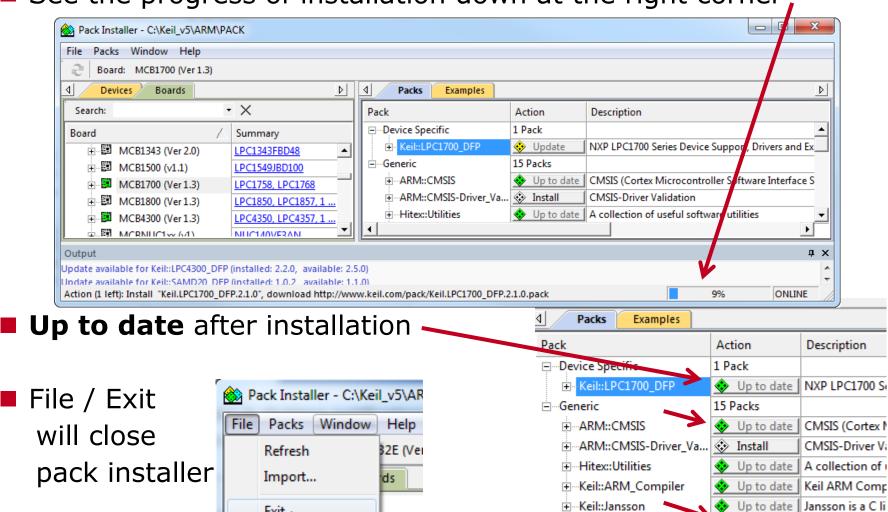


and install ARM-CMSIS, Middleware and *_DFP

LPC1700 Pack Installation



See the progress of installation down at the right corner



Keil MDK-ARM

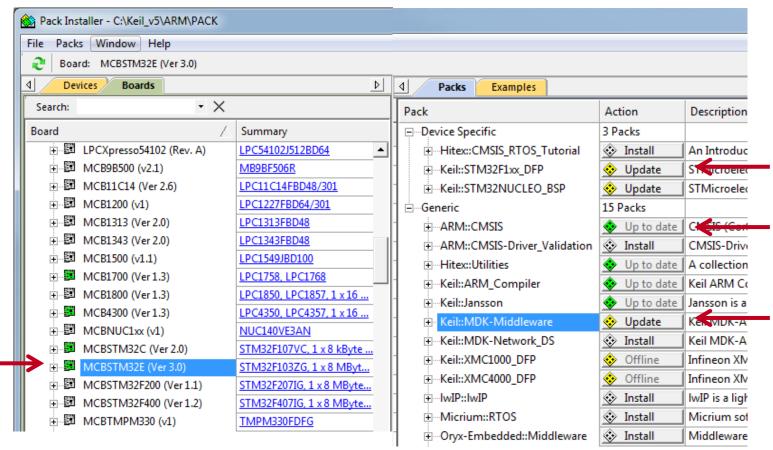
Keil MDK-ARM

Up to date

STM32 Pack Installation



Select your board MCBSTM32E

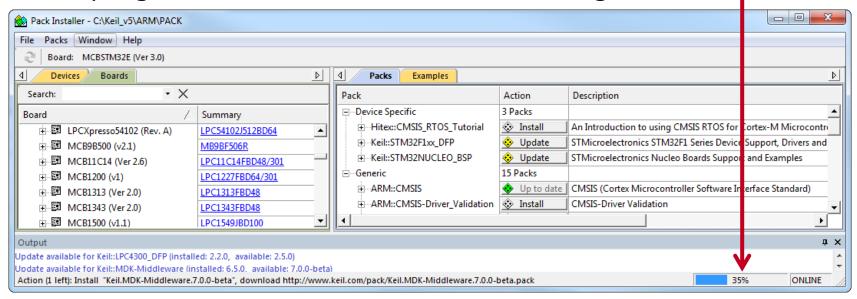


and install ARM-CMSIS, Middleware and *_DFP

STM32 Pack Installation

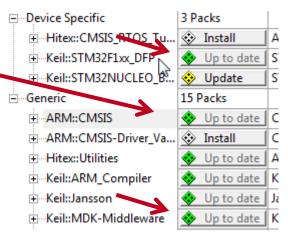


See the progress of installation down at the right corner



- Up to date after installation
- File / Exit will close pack installer

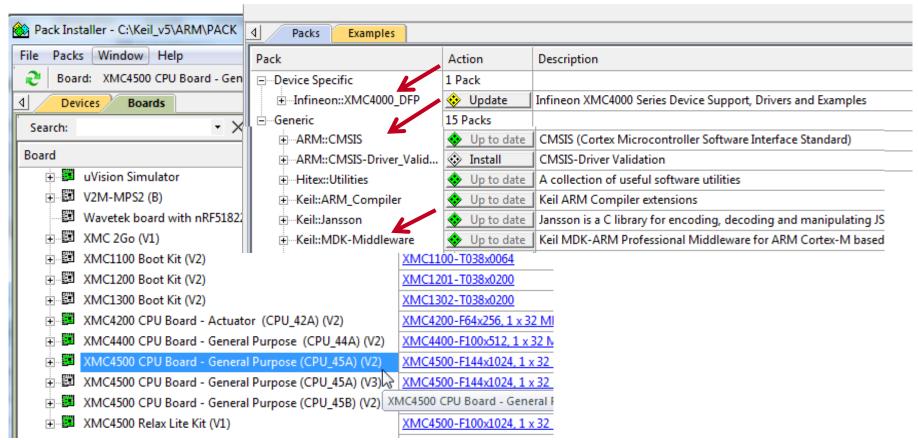




XMC4500 Pack Installation



Select your board XMC4500 CPU Board (CPU_45A) (V2)

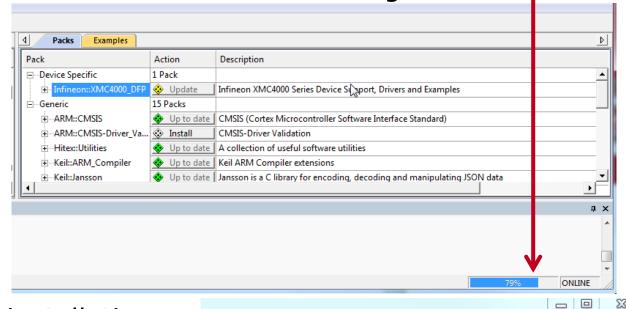


and install ARM-CMSIS, Middleware and *_DFP

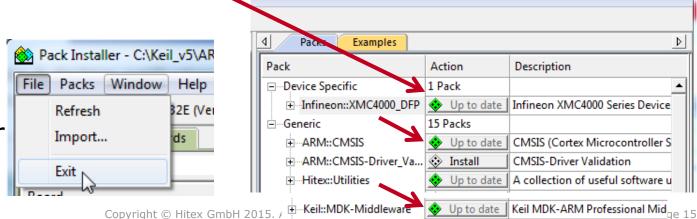
XMC4500 Pack Installation



See the progress of installation down at the right corner



- **Up to date** after installation
- File / Exit will close pack installer





■ You will need the PSN number which came per e-mail from Hitex concerning the MDK-ARM power training. It will provide a time limited license.

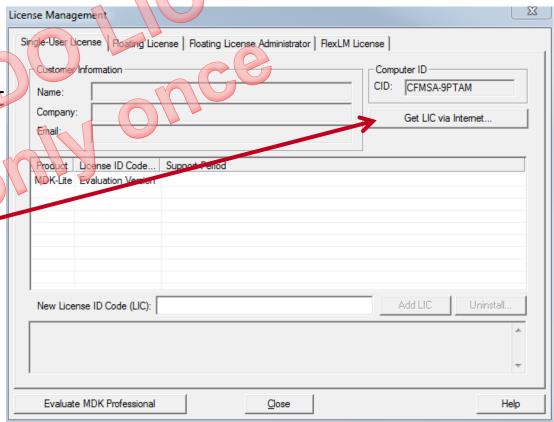
Start the MDK5 as administrator (context menu / run as

administrator)

StartFile/License management

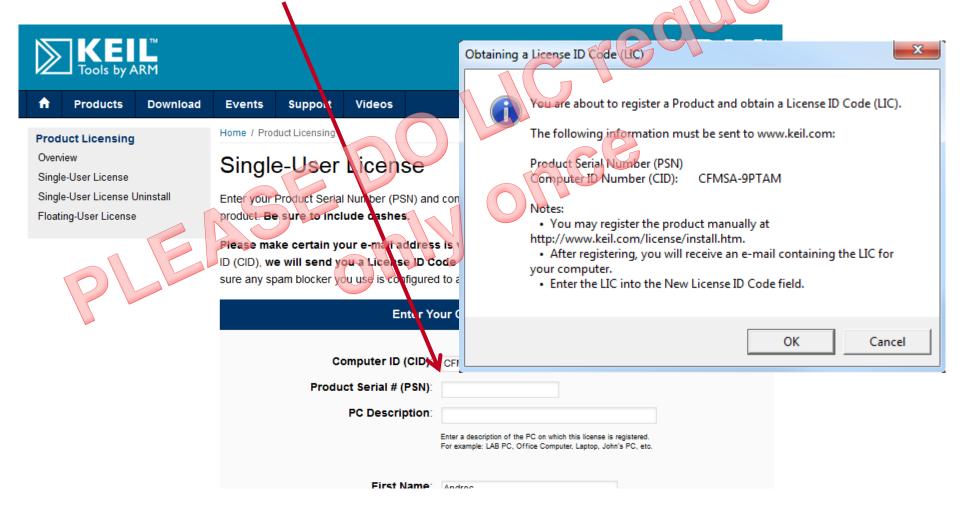
■ Select

"Get LIC via Internet"

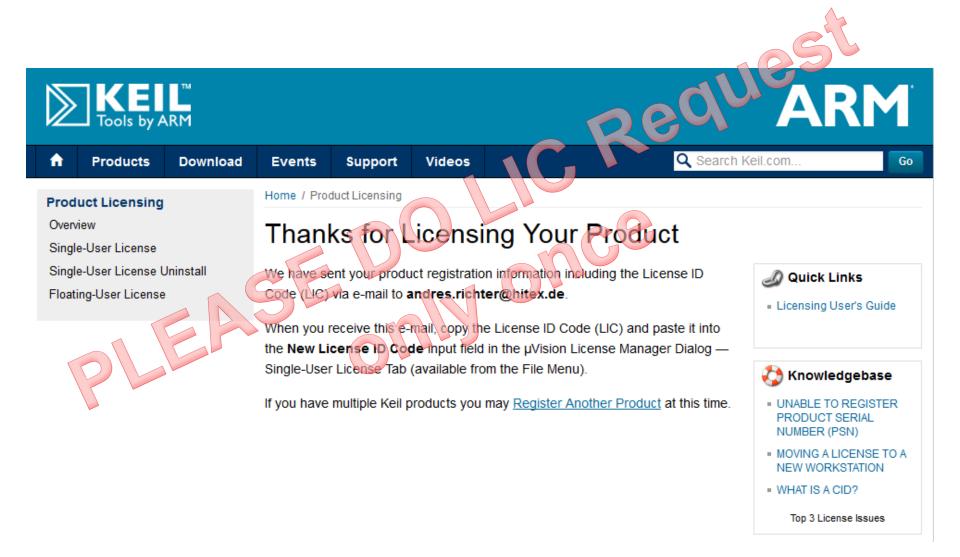




Follow the instructions and insert PSN number

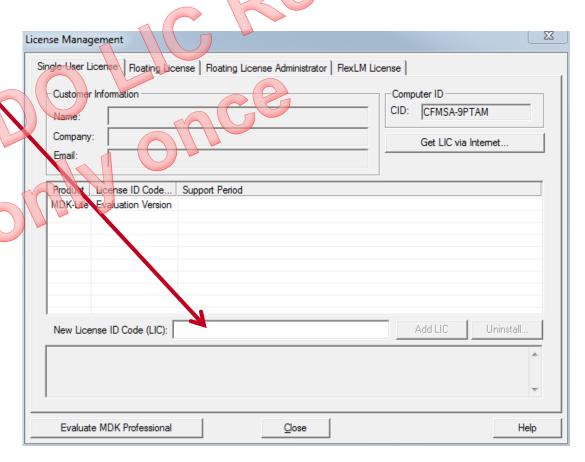








- You will get the LIC (license id code) via email
- Copy / paste to "New License ID Code"
- Select "Add LIC"
- Close license manager and restart MDK5



MDK-ARM Trainings Preparation

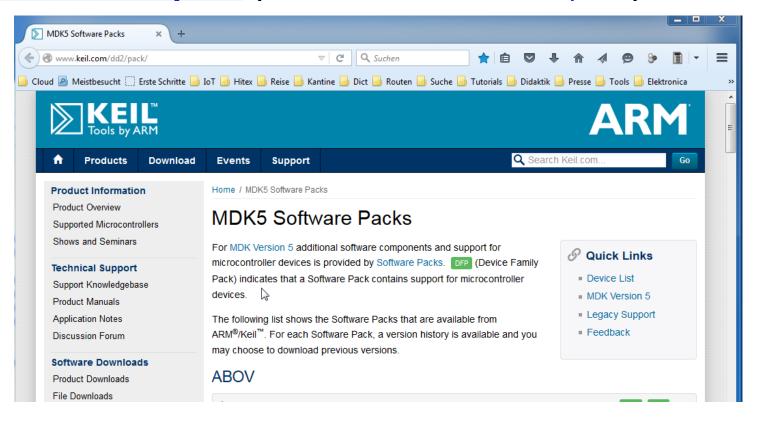


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Manual Pack Installation



- Your pack installation may fail if your download options are restricted by IT rules.
- The workaround is a manual download and installation:
- Vist <u>www.keil.com/pack</u> (-> <u>www.keil.com/dd2/pack</u>)



Manual Pack Installation



- Download CMSIS
 - Scroll down to ARM and unfold CMSIS
 - Download current CMSIS pack (at top of the list)

ARM

Version: X.Y.Z. ARM.CMSIS.X.Y.Z.pack

■ CMSIS-Core X.Y.Z. (see revision history for details)

■ CMSIS-DSP X.Y.Z. (no source code change [still labeled 1.4.5], see revision history for details)

■ CMSIS-PACK X.Y.Z. (adding memory attributes, algorithm style)

■ CMSIS-Driver X.Y.Z. (adding CAN [Controller Area Network] API)

■ CMSIS-RTOS





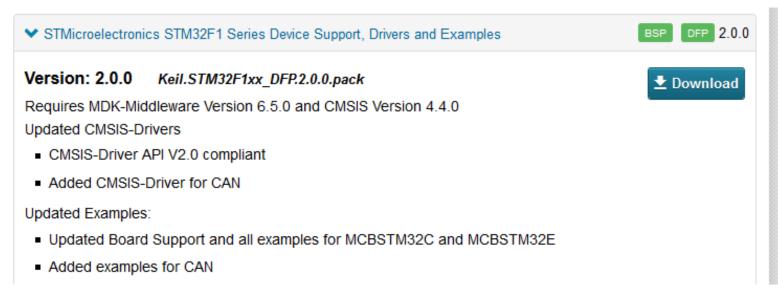
- Download matching Device Support Packages
 - □ Select Keil (for Infineon XMC4000 contact Hitex)
 - Scroll down and download current *._DFP



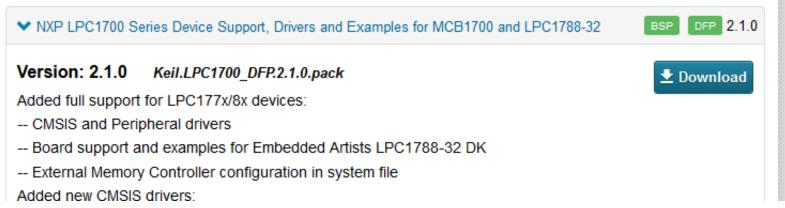
Manual Pack Installation



STM32F1



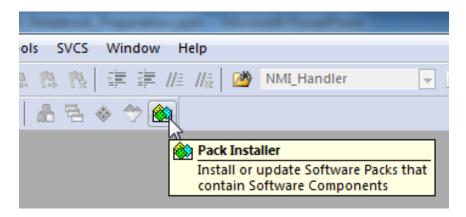
■ LPC1700



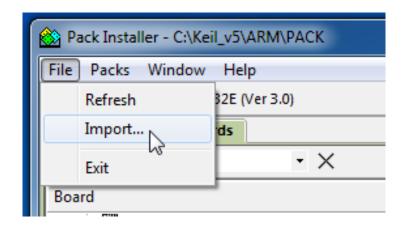




- Install the downloaded files manually in the pack installer
 - □ open pack installer, e.g.from µVision IDE



- □ Select File / Import
- □ Select the appropriate packs ARM.CMSIS.xxx.pack Keil.<derivate>._DFP.x.x.x.pack



Thank you for preparing. Have an interesting and successful training.

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