



# MACHINEKIT

BUILDING QT5 UIs  
WITH THE MACHINEKITSDK

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- **Vagrant**
- **QtQuickVcp**
- **SDK**
- **Future**

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**WHAT IS VAGRANT?**



- **Easy to configure**
- **Reproducible**
- **Portable**
- **"works on my machine" bugs**





- **VirtualBox**
- **Jessie**
- **LXDE**
- **Machinekit packages**
- **Qt SDK**
- **Git repostories**



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**QTQUICKVCP**



- **QtQuick 2**
- **QML plugins**
- **Machinetalk**
- **Cross platform**



# REMOTE LAUNCHING & DEPLOYMENT

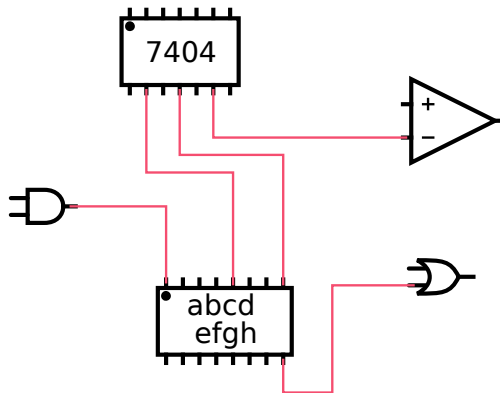


- **Start new instances**
- **Deploy UI files**
- **MachinekitClient**





- **2 types of user interfaces**
  - HAL Remote
  - Application/EMC



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**SDK**



- **Wizards**
- **Plugins**
- **Templates**
- **Qt Creator**



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**FUTURE**

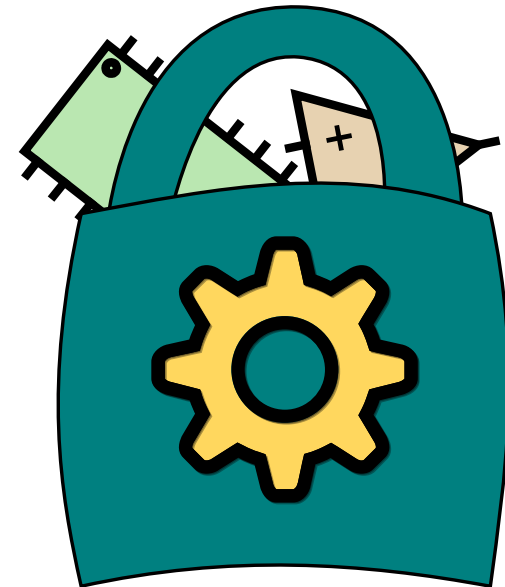


- **Develop HAL in SDK**
- **Simulate in VM**
- **Remote deploy and run**
- **More wizards**





- Graphical HAL editor
- Live editing
- SW/HW co-design
- HAL component store



## MORE INFORMATION AND CODE



- <https://github.com/strahlex/machinekit-vagrant>
- <https://github.com/strahlex/MachinekitSDK>
- <https://github.com/strahlex/QtQuickVcp>



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**QUESTIONS?**