

Containers! Where is my PowerShell?



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Agenda

- Management of containers using PowerShell
- Using PowerShell inside containers
- Windows & Linux containers side-by-side



Demo



Discussion point

- PSDockerTools new community-based module
 - Go or no-go?
 - Are there any value in creating a «proper» Docker module for PowerShell, or will most people use the native Docker CLI (docker.exe) anyway?



Summary

- PowerShell is great for managing containers
 - ConvertFrom-Json is your friend
 - PowerShell can be the glue for integrations
- PowerShell can be used inside containers
 - "Business as usual" can be used like we are used to
 - With PowerShell Core, it is also possible to leverage PowerShell inside Linux and Nano Server containers



about_Author

```
PowerShell-6.0.0
```

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Next Steps

Now: 15 min break

- Grab a coffee
- Stay here to enjoy next presentation
- Change track and switch to another room
- Ask me questions or meet me in a breakout session room afterwards

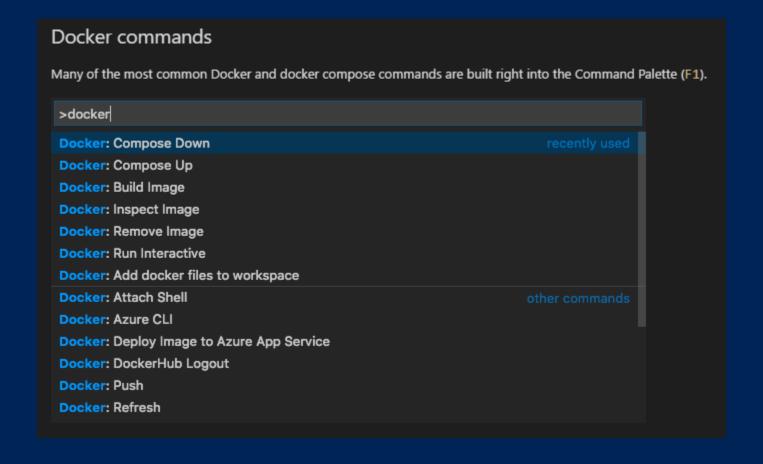




Questions?



Bonus tip: VS Code Extension for Docker









VS Code Extension for Docker

```
IntelliSense (completions) for Dockerfile and docker-compose.yml files.

◆ Dockerfile x

         FROM node:6-alpine
         ENV NODE_ENV production
         WORKDIR /usr/src/app
         COPY ["package.json", "npm-shrinkwrap.json*", "./"]
         RUN npm install --production --silent & mv node_modules ../
         COPY . .
         EXPOSE 3000
    8
         E ADD source dest
                                                         Copy files, folders, or remote URLs from `source` to *
          the 'dest' path in the image's filesystem.
          ₹ ARG name=defaultValue
          E CMD [ "executable" ]
                                                         ADD hello.txt /absolute/path
          E COPY source dest
                                                         ADD hello.txt relative/to/workdir
          EFENTRYPOINT [ "executable" ]
         ≝ ENV key=value
         E EXPOSE port
         ≣ FROM baseImage

∃∃ HEALTHCHECK --interval=30s --timeout=30s

          HEALTHCHECK NONE

■ LABEL key="value"
```

