

# IMAGE2DOCKER

**Be a Windows hero in 5 minutes (or more)**

# MODERNIZING WINDOWS APPS

- Create a deployment with a Docker image
- Deploy the image
- “Dockerize Your Windows App”
- Works if you have the source code...

NO SOURCE - NOW WHAT?



# IMAGE2DOCKER

- Powershell Module
- Ports existings Windows applications to Docker
- Initial focus on IIS and ASP.NET apps
- Use it to extract ASP.NET websites from a VM
- Or a local machine...
- Or a remote...



# REQUIREMENTS

- You do *\*NOT\** need Docker
- Powershell 5.0

# INSTALLATION

`Install-Module Image2Docker`

`Import-Module Image2Docker`





# GET THE VM DISK

- Only works on .vhdx or .wim files
- VMWare? Don't panic!
  - Download the drive
  - Convert it with Microsoft's VMWare VM conversion kit  
<http://www.microsoft.com/en-us/download/details.aspx?id=42497>
  - Import-Module 'C:\Program Files\Microsoft Virtual Machine Converter\MvmcCmdlet.psd1'
  - ConvertTo-MvmcVirtualHardDisk -SourceLiteralPath  
d:\scratch\vmx\VM-disk1.vmdk -VhdType DynamicHardDisk -VhdFormat vhdx  
-destination c:\vm-disk1



# CONVERT THE VM TO A DOCKER IMAGE





```
ConvertTo-Dockerfile -ImagePath c:\vm\myimage.wim
```

@LateNightSeth



**BOOM. EASY AS THAT.**

# SAMPLE OUTPUT

 config	12/4/2018 3:21 PM	File folder	
 keycontrol	12/4/2018 3:21 PM	File folder	
 Dockerfile	12/4/2018 3:21 PM	File	1 KB
 IIS.json	12/4/2018 3:21 PM	JSON File	6 KB

# SAMPLE OUTPUT - DOCKERFILE

```
# escape=`
FROM microsoft/aspnet:3.5-windowsservercore-10.0.14393.1715
SHELL ["powershell", "-Command", "$ErrorActionPreference = 'Stop'; $ProgressPreference = 'SilentlyContinue';"]

RUN Remove-Website 'Default Web Site';

# Set up website: keycontrol.medeco.com
RUN New-Item -Path 'C:\keycontrol' -Type Directory -Force;

RUN New-Website -Name 'keycontrol.medeco.com' -PhysicalPath 'C:\keycontrol' -Port 80 -ApplicationPool '.NET v2.0' -Force;

EXPOSE 80

COPY ["keycontrol", "/keycontrol"]

RUN $path='C:\keycontrol'; `
    $acl = Get-Acl $path; `
    $newOwner = [System.Security.Principal.NTAccount]('BUILTIN\IIS_IUSRS'); `
    $acl.SetOwner($newOwner); `
    dir -r $path | Set-Acl -aclobject $acl
```

Oh  
my!



# LINKS 'N STUFF

- Image2Docker  
<https://github.com/docker/communitytools-image2docker-win>
- Detailed description of Image2Docker  
<https://blog.docker.com/2016/12/convert-asp-net-web-servers-docker-image2docker/>
- Converting VMDK to VHD  
<https://blogs.msdn.microsoft.com/timomta/2015/06/11/how-to-convert-a-vmware-vmdk-to-hyper-v-vhd/>
- My Twitter: @ronaldb