<https://community.dynamics.com/nav/b/katsonsnavblog/archive/2018/03/16/how-to-get-the-new-dynamics365-business-central-and-extend-it>

<<Build 21063.txt>>

Step1: Microsoft Collaborate get the do

Step2: Installation of Docker

If you don’t have docker, then download and install it. You can choose to [download a full docker client](https://download.docker.com/win/stable/Docker%20for%20Windows%20Installer.exe) or only a module.

52.172.26.133:338g Remote Desktop Connection 
Downloads 
C S Chrome 
chrome://downloads 
Google Chrome isn't your default browser. 
Downloads 
Set as default 
Q Search downloads 
Yesterday 
Docker for Windows Installer-exe 
https://download 
Show in folder 
x 

You can download and install docker as a module executing this code in PowerShell

invoke-webrequest -UseBasicparsing -Outfile docker-17.09.0-ce.zip <https://download.docker.com/win/static/stable/x86_64/docker-17.09.0-ce.zip>  
# Extract the archive.  
Expand-Archive docker-17.09.0-ce.zip -DestinationPath $Env:ProgramFiles

# Clean up the zip file.  
Remove-Item -Force docker-17.09.0-ce.zip

# Install Docker. This requires rebooting.  
$null = Install-WindowsFeature containers

# Add Docker to the path for the current session.  
$env:path += ";$env:ProgramFiles\docker"

# Optionally, modify PATH to persist across sessions.  
$newPath = "$env:ProgramFiles\docker;" +  
[Environment]::GetEnvironmentVariable("PATH",  
[EnvironmentVariableTarget]::Machine)

[Environment]::SetEnvironmentVariable("PATH", $newPath,  
[EnvironmentVariableTarget]::Machine)

Administrator: Windows PowerSheII ISE 
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PS 
invoke—webrequest —Use8asi cparsing —Outfile docker—17. 
# Extract the archive. 
Expand—Archive docker-17.09. O-ce.zip —Destinationpath 
# Clean up the zip file. 
docker-17.09. O-ce. zip 
Remove—I tem 
-Force 
# Install Docker. This requires rebooting. 
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Install—Wi ndowsFeature containers 
# Add Docker to the path for the current session. 
Senv:path 
" ; Senv : Progr amFi I es \docker" 
# Optionally, modify PATH to persist across sessions. 
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SEnv 
—ce. zip https : //download. docker . com/win/static/stabl e/x86_64/docker 
: Progr amFi les 
SnewPath = 
"Senv : ProgramFi les\docker; 
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Commands X 
Modules: 
Name: 
Add-AppvCIientConnectionGroup 
Add-AppvCIientPackage 
Add-AppvPubIishingServer 
Add-Appxpackage 
Add ckage 
Add-AppxVoIume 
Add-BCD ataCacheExtension 
Add -Bit LockerKeyProtector 
Add-BitsFile 
Add-certificateEnroIImentPoIicyServer 
Add-ClusteriSCSITargetServerRoIe 
Add-Computer 
Add-containerNetworkAdapter 
Add-containerNetworkAdapterStaticMapping 
Add-content 
Add-DnsCIientNrptRuIe 
Add-DtcCIusterTMMapping 
Add 
EtwTraceProvider 
Add History 
Add-InitiatorIdToMaskingSet 
Add-IscsiViftuaDiskTargetMapping 
Add-JobTrigger 
Add-KdsRootKey 
Add-LocaIGroupMember 
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# Register the Docker daemon as a service.  
dockerd --register-service

# Start the Docker service.  
Start-Service docker

#Next steps are optional!

#Run test container, to check that Docker is alive  
docker container run hello-world:nanoserver

# Check what containers do you have  
docker ps

Administrator: Windows PowerSheII ISE 
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tarttheDockerservice. 
To 
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To 
generate this message, Docker took the following steps: 
The Docker client contacted the Docker daemon. 
. The Docker daenon pulled the "hel no—world" image from the Docker Hub. 
(wi n dows- amd64) 
The Docker daenon created a new container that image which runs 
executable that produces the output you are currently reading. 
the 
The Docker daenon streamed that output to the Docker client, which sent it 
to your terminal. 
try something more you can run a Windows Server container with • 
PS C : docker run —it microsoft/windowsservercore powershell 
Share images, workflows, and more with a free ID: 
https : // cl oud. docker. com/ 
For more examples and ideas, visit: 
https : //docs. docker . com/engi ne/userguide/ 
CONTAINER ID 
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Commands X 
Modules: 
Name: 
Add-AppvCIientConnectionGroup 
Add-AppvCIientPackage 
Add-AppvPubIishingServer 
Add-Appxpackage 
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Add-AppxVoIume 
Add-BCD ataCacheExtension 
Add -Bit LockerKeyProtector 
Add-BitsFile 
Add-certificateEnroIImentPoIicyServer 
Add-ClusteriSCSITargetServerRoIe 
Add-Computer 
Add-containerNetworkAdapter 
Add-containerNetworkAdapterStaticMapping 
Add-content 
Add-DnsCIientNrptRuIe 
Add-DtcCIusterTMMapping 
Add 
EtwTraceProvider 
Add History 
Add-InitiatorIdToMaskingSet 
Add-IscsiViftuaDiskTargetMapping 
Add-JobTrigger 
Add-KdsRootKey 
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Next, install Navcontainerhelper

I personally love what Freddy has done to us. So I will use navcontainerhelper to simplify my work.

Run next script in PowerShell

Install-Module -Name navcontainerhelper -Verbose

If, you are running it on Windows10, check that your policy is allowed you to install new modules.

Administrator: Windows PowerSheII ISE 
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—Name navcontai per 
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PS Instal I —Module -Name navcontainerhelper —Verbose 
VERBOSE : 
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Using the provider • PowerSheI IGet• for searching packages. 
The -Repository parameter was not specified. PowerSheIIGet will use all of the registered repositories. 
Getting the provider object for the Packageanagement Provider 'NuGet• . 
• The specified Location is 'https://vmw.powershellgallery. /v2/' and Packag&anagementprovider is 'NuGet' . 
• Searching repository 'https://wwe.powershellgallery. ' 
• Total package yield: 'I' for the specified package 'navcontainerhelper . 
Skipping installed module navcontainerhelper 0.2. 7. I. 
for • • • 
PS 
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Commands X 
Modules: 
Name: 
Add-AppvCIientConnectionGroup 
Add-AppvCIientPackage 
Add-AppvPubIishingServer 
Add-Appxpackage 
Add ckage 
Add-AppxVoIume 
Add-BCD ataCacheExtension 
Add -Bit LockerKeyProtector 
Add-BitsFile 
Add-certificateEnroIImentPoIicyServer 
Add-ClusteriSCSITargetServerRoIe 
Add-Computer 
Add-containerNetworkAdapter 
Add-containerNetworkAdapterStaticMapping 
Add-content 
Add-DnsCIientNrptRuIe 
Add-DtcCIusterTMMapping 
Add 
EtwTraceProvider 
Add History 
Add-InitiatorIdToMaskingSet 
Add-IscsiViftuaDiskTargetMapping 
Add-JobTrigger 
Add-KdsRootKey 
Add-LocaIGroupMember 
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3/22/2018 

Creating New BC Container

docker login "navinsider.azurecr.io" -u "2151f4c8-8fc2-4c87-a360-4f6c73ed8636" -p "IVn1X5Iuo2fD6spnZ/as5SgPFMYIJV0e+qoTTb91Jtg="

New-NavContainer -accept\_eula -alwaysPull -imageName "navinsider.azurecr.io/dynamics-nav:11.0.21063.0-finus"

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File Edit View Tools Debug Add-ons Help 
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docker login "navinsider . azurecr . ño" 
u "2151f4c8-8fc2-4c87-a360-4f6c73ed8636" -p 
New-NavContai ner -accept_eula -alwaysPuII —imageName 
https : // cl oud. docker.com/ 
For more examples and ideas, visit: 
https : //docs. docker . com/engi ne/userguide/ 
" navi nsi der . azurecr . io/dynami cs-nav : II. O. 21063.0-fi nus " 
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PS Instal I —Module -Name navcontainerhelper —Verbose 
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The -Repository parameter was not specified. PowerSheIIGet will use al I of the registered repositories. 
Getting the provider object for the Packag*anagement Provider 'NuGet• . 
• The specified Location is 'https://www.powershellgallery. /v2/' and Packag&anagementprovider is 'NuGet' . 
• Searching repository 'https://vmw.powershellgalIery. for ' 
• Total package yield: 'I' for the specified package 'navcontainerhelper ' . 
Skipping installed module navcontainerhelper 0.2. 7. I. 
PS docker login "navinsider. azurecr. i o" 
-u "2151f4c8-8fc2-4c87-a360-4f6c73ed8636" -p "IVn1X51u02fD6spnZ/as5sgPFMYIJV0 
New—NavContainer -accept_eula —alwaysPuII —imageNume "navinsider . azurecr.io/dynamics-nav:ll.o. 21063. O—finus" 
docker : WARNING! Using 
--password via the CLI is insecure. Use --password-stdin. 
docker login "navinsider. azurecr. io 
" -u "2151f4c8-8fc2-4c87-a360-4f6c . 
+ Categorylnfo 
+ FulIyQuaI ifiedErrorId 
Login Succeeded 
: NotSpecified: (WARNING! Using password-stdin. : String) 
. NativeCommandError 
RemoteExc ept i on 
cmdlet New—NavContainer at cormand pi peline position I 
Supply values for the following parameters: 
contai nerName: NAV-MDBC—US 
Pul ling docker Image navinsider . azurecr. io/dynami cs—nav 
11.0. 21063. O—finus: Pulling from dynamics—nav 
. O—finus 
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8df8e568af76: 
75140d91a548: 
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Commands X 
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Add-AppvCIientConnectionGroup 
Add-AppvCIientPackage 
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Add ckage 
Add-AppxVoIume 
Add-BCDataCacheExtension 
Ad d -Bit LockerKeyPrctectcr 
Add-BitsFile 
Add-CeftificateEnraIImentPoIicyServer 
Add-C'usteriSCSITargetServerRoIe 
Add-Computer 
Add-ContainerNetworkAdapter 
Add-ContainerNetworkAdapterStaticMapping 
Add-Content 
Add-DnsCIientNrptRuIe 
Add-DtcCIusterTMMapping 
Add 
EtwTraceProvider 
Add H'stcry 
Add-InitiatcrIdTcMasZingSet 
Add-IscsiViftua'DiskTargetMapping 
Add-JobTrigger 
Add-KdsRaotKey 
Add-LocaIGroupMember 
Run 
Insert 
Copy 
Running script / selection. Press CtrI*Break to stop. 
Press CtrI+B to break into debugger. 
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Col 44 
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Administrator: Windows PowerSheII ISE 
File Edit View Tools Debug Add-ons Help 
:11. o. 21063 
Lt. 273 col 26 
Untitledl.psl* X 
docker login "navinsider . azurecr . no 
" -u "2151f4c8-8fc2-4c87-a360-4f6c73ed8636" -p "IVn1X51u02fD6spnZ/as5sgPFMYIJVoe+qoTTb91Jtg=" 
New-NavContai ner -accept_eula -alwaysPuII —imageName 
" navi nsi der . azurecr . io/dynami cs-nav : 11. O. 21063. O-fi nus " 
Status: Down loaded newer Image Tor navnnslaer. azurecr. aynamcs-nav:ll. 0.21063. O—T1nus 
Creating Nav container NAV-MDBC-US 
Using image navinsider . azurecr. 21063. O—finus 
NAV Version: 11.0. 21063. O—finus 
Generic Tag: O. 0.5. 3 
Creating container NAV—MDBC-US from image navinsider. azurecr . 
Waiting for container to be ready 
—nav 
. O—fi nus 
Initializing... 
Starting Container 
Hostname is NAV4DBC—US 
Publi is 
Using Wi ndows Authenti cation 
Starting Local SQL Server 
Starting Internet Information Server 
Modifying NAV Service Tier Config File with 
Starting NAV Service Tier 
Creating DotNetCore NAV Web Server Instance 
Enabl ing Financials User Experi ence 
Creating http download site 
Creating Windows user cfadmin 
Setting SA Password and enabling SA 
Creating NAV user 
Container IP Address. 
Container Hostname 
Container Dns Name 
Web Client 
Dev. Server 
Dev. Server Instance . 
Files: 
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Speci fi c 
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• 172.23.147.187 
: NAV-MDBC-US 
: NAV-MDBC-US 
: http://NAV-MDBC-US/NAV/ 
: http://NAv-NDBc-US 
• NAVI 
http://NAV-MDBC-us : 8080/a1 -O. 15 .18566. 
Initialization took 84 seconds 
Ready for connections! 
Reading CustomSettings. config from 
Creating Desktop Shortcuts for 
Nav container NAV-MDBC-US successfully created 
Completed 
Commands X 
Modules: 
Name: 
Add-AppvCIientConnectionGroup 
Add-AppvCIientPackage 
Add-AppvPubIishingServer 
Add-Appxpackage 
Add ckage 
Add-AppxVoIume 
Add-BCD ataCacheExtension 
Add -Bit LockerKeyProtector 
Add-BitsFile 
Add-certificateEnroIImentPoIicyServer 
Add-ClusteriSCSITargetServerRoIe 
Add-Computer 
Add-containerNetworkAdapter 
Add-containerNetworkAdapterStaticMapping 
Add-content 
Add-DnsCIientNrptRuIe 
Add-DtcCIusterTMMapping 
Add 
EtwTraceProvider 
Add History 
Add-InitiatorIdToMaskingSet 
Add-IscsiViftuaDiskTargetMapping 
Add-JobTrigger 
Add-KdsRootKey 
Add-LocaIGroupMember 
Run 
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Copy 
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Downloading and Installing VS Code

Administrator: Windows PowerSh 
File Edit View Tools Debug 
Lt. 273 col 26 
Downloads 
Overview 
SETUP 
Overview 
Linux 
Mac 
Windows 
N eh'.'ork 
Additional 
Components 
GET STARTED 
USER GUIDE 
LANGUAGES 
NODE.JS / 
JAVASCRIPT 
PYTHON 
JAVA 
EXTENSION 
AUTHORING 
EXTENSIBILITY 
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X Running Visual Studio CSX C?] Documentation for Visua 
https://code.visualstudio.com/docs/setup/windows 
x 
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docker login "navin 
New- NavContai n er 
Status: Down loaded newer - 
Creating Nav container 
Using image navinsider.az 
NAV Version: 11.0. 21063.0 
Generic Tag: O. 0.5. 3 
Creating container NAV—MD 
Waiting for container NAV 
Initializing... 
Starting Container 
Hostname is NAV4DBC—US 
Publi is MAV—MDBC 
Using Wi ndows Authenticati 
Starting Local SQL Server 
Starting Internet Informa 
Modifying NAV Service Tier 
Starting NAV Service Tier 
Creati ng DotNetCore NAV W 
Enabling Financials User 
Creating http download si 
Creating Windows user cfa 
Setting SA Password and e 
Creating NAV user 
Container IP Address: 172 
Container Hostname 
Container Dns Name 
Web Client 
Dev. Server 
Dev. Server Instance . 
• NAV 
Files: 
http://NAV-MDBC-us : 8080/ a 1 
Initialization took 84 se 
Ready for connections! 
Reading CustomSettings. co 
Creating Desktop Shortcuts 
Nav container NAV-MDBC-US 
Completed 
Running VS Code on Windows 
Setup - Visual Studio Code 
Please wait while Setup installs Visual Studio Code on your computer. 
Extracting files. 
C : Program FilesVvIicrosoft VS Code 
You 
variable to take effect. 
32 bit versions 
Edit 
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IN THIS ARTICLE 
Installation 
32 bit versions 
U pdates 
Next Steps 
Common Questions 
Twe et 
Subscribe 
Ask questions 
Follow @code 
Request features 
Report issues 
Watch videos 
If you need to run a 32 bit version of VS Code, both an 32 bit Installer and Zip archive 
ping 
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3/22/2018 

Downloading the VSIX file from the URL provided after creating the container

<http://NAV-MDBC-US:8080/al-0.15.18566.vsix>

Install the VSIX Extension:

Extension: AL Language - Visual Studio Code [Administrator] 
File Edit Selection View Go Debug Tasks Help 
EXTENSIONS 
Search Extensions in Marketplace 
INSTALLED 
AL 0.1518566 
AL development tools for Dynamics NAV 
RECOMMENDED 
No extensions found. 
00A0 
Extension: AL Language x 
AL Language 
Microsoft-al 
Microsoft 
AL development tools for Dynamics NAV 
Disable Uninstall 
Details Contributions Changelog Dependencies 
Overview 
Welcome to the AL language extension for Dynamics NAV. 
NOTE: To deploy code built using this extension you need a NAV Developer Preview Azure Gallery image available at https://aka.ms/navdeveloperpreview. 
With this extension, you can write extensions for Dynamics NAV in the AL language with full support for formatting, syntax highlighting, and rich IntelliSense. 
PROBLEMS 
OUTPUT 
DEBUG CONSOLE 
TERMINAL 
x 
Looking for git in: C:\Program Files\Git\cmd\git.exe 
Looking for git in: C:\Program Files (x86)\Git\cmd\git.exe 
Looking for git in: C:\Program Files\Git\cmd\git.exe 
Looking for git in: 
Git installation not found. 
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Accessing the WebClient

Business Manager- Dyn X 
C O nav-mdbc-us/nav/ 
Dynamics 365 
Business Central 
X Want more? Start a free, 30-day trial to unlock advanced features and use your own company data. 
Start trial... 
Purchasing v 
ACTIONS 
Approvals v 
O 
Setup & Extensions v 
CRONUS USA, Inc. 
Customers Vendors 
HEADLINE 
Finance v 
Cash Management v 
Sales v 
Items Bank Accounts Chart of Accounts 
Good morning! 
Self-Service v 
> Reports 
E?] Balance Sheet 
+ Sales Quote 
4- Sales Order 
+ Sales Invoice 
+ Purchase Order 
+ Purchase Invoice 
> New 
> Payments 
OVERDUE PURCH. INVOICE 
AMOUNT 
422 
> See more 
E?] Income Statement 
E?] Statement of Cash Flows 
E?] Statement of Retained Earnings 
E?] Excel Reports 
Activities 
SALES THIS MONTH 
$1,906 
> See more 
el-o.15.18566.vsix 
OVERDUE SALES INVOICE 
AMOUNT 
$63,890 
> See more 
Show all 
640 AM 
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