

# Exchange VirtualDirectory setzen

In Exchange können die virtuellen Verzeichnisse bzw. die Zugriffs-URLs konfiguriert werden, das geschieht am schnellsten via Powershell. Einfach die ersten 4 Zeilen abändern und ausführen.

Bei DNS-Split Brain unterscheiden sich interner und externer Hostname nicht!

## Exchange 2010

Die Konfiguration in Exchange 2010 erfolgt überwiegend per GUI:  
Microsoft Exchange Verwaltung → Serverkonfiguration → Clientzugriff:

- Outlook Web App → owa (Default Web Site)
- Exchange-Systemsteuerung → ecp (Default Web Site)
- Exchange ActiveSync → Microsoft-Server-ActiveSync
- Offlineadressbuch-Verteilung → OAB (Default Web Site)

[ConfigVirtualDirectoryExchange2010.ps1](#)

```
$servername = "SERVERNAME"
$internalhostname = "mail.domain.local"
$externalhostname = "mail.domain.de"
$autodiscoverhostname = "autodiscover.domain.de"

Get-ClientAccessServer | Set-ClientAccessServer -
AutoDiscoverServiceInternalUri $aduri
Get-WebServicesVirtualDirectory | Set-WebServicesVirtualDirectory -
internalurl $ewsinturl -externalurl $ewsexturl

Get-OwaVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-EcpVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-WebServicesVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-ActiveSyncVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OabVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OutlookAnywhere -Server $servername | fl
servername,ExternalHostname,InternalHostname
Get-ClientAccessServer $servername | fl
name,AutoDiscoverServiceInternalUri
```

# Exchange 2013

## ConfigVirtualDirectoryExchange2013.ps1

```
$servername = "SERVERNAME"
$internalhostname = "mail.domain.local"
$externalhostname = "mail.domain.de"
$autodiscoverhostname = "autodiscover.domain.de"

$owainturl = "https://" + "$internalhostname" + "/owa"
$owaexturl = "https://" + "$externalhostname" + "/owa"
$ecpinturl = "https://" + "$internalhostname" + "/ecp"
$ecpexturl = "https://" + "$externalhostname" + "/ecp"
$ewsinturl = "https://" + "$internalhostname" + "/EWS/Exchange.asmx"
$ewsexturl = "https://" + "$externalhostname" + "/EWS/Exchange.asmx"
$easinturl = "https://" + "$internalhostname" + "/Microsoft-Server-ActiveSync"
$easexturl = "https://" + "$externalhostname" + "/Microsoft-Server-ActiveSync"
$oabinturl = "https://" + "$internalhostname" + "/OAB"
$oabexturl = "https://" + "$externalhostname" + "/OAB"
$mapiinturl = "https://" + "$internalhostname" + "/mapi"
$mapiexturl = "https://" + "$externalhostname" + "/mapi"
$aduri = "https://" + "$autodiscoverhostname" + "/Autodiscover/Autodiscover.xml"

Get-OwaVirtualDirectory -Server $servername | Set-OwaVirtualDirectory -internalurl $owainturl -externalurl $owaexturl
Get-EcpVirtualDirectory -server $servername | Set-EcpVirtualDirectory -internalurl $ecpinturl -externalurl $ecpexturl
Get-WebServicesVirtualDirectory -server $servername | Set-WebServicesVirtualDirectory -internalurl $ewsinturl -externalurl $ewsexturl
Get-ActiveSyncVirtualDirectory -Server $servername | Set-ActiveSyncVirtualDirectory -internalurl $easinturl -externalurl $easexturl
Get-OabVirtualDirectory -Server $servername | Set-OabVirtualDirectory -internalurl $oabinturl -externalurl $oabexturl
Get-MapiVirtualDirectory -Server $servername | Set-MapiVirtualDirectory -externalurl $mapiexturl -internalurl $mapiinturl -IISAuthenticationMethods Ntlm,OAuth,Negotiate
Get-OutlookAnywhere -Server $servername | Set-OutlookAnywhere -externalhostname $externalhostname -internalhostname $internalhostname -ExternalClientsRequireSsl:$true -InternalClientsRequireSsl:$true -ExternalClientAuthenticationMethod 'Negotiate'
Get-ClientAccessServer $servername | Set-ClientAccessServer -AutoDiscoverServiceInternalUri $aduri
```

```
Get-OwaVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-EcpVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-WebServicesVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-ActiveSyncVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OabVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-MapiVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OutlookAnywhere -Server $servername | fl
servername,ExternalHostname,InternalHostname
Get-ClientAccessServer $servername | fl
name,AutoDiscoverServiceInternalUri
```

## Exchange 2016

[ConfigVirtualDirectoryExchange2016.ps1](#)

```
$servername = "SERVERNAME"
$internalhostname = "mail.domain.local"
$externalhostname = "mail.domain.de"
$autodiscoverhostname = "autodiscover.domain.de"

$owainturl = "https://" + "$internalhostname" + "/owa"
$owaexturl = "https://" + "$externalhostname" + "/owa"
$ecpinturl = "https://" + "$internalhostname" + "/ecp"
$ecpexturl = "https://" + "$externalhostname" + "/ecp"
$ewsinturl = "https://" + "$internalhostname" + "/EWS/Exchange.asmx"
$ewsexturl = "https://" + "$externalhostname" + "/EWS/Exchange.asmx"
$easinturl = "https://" + "$internalhostname" + "/Microsoft-Server-ActiveSync"
$easexturl = "https://" + "$externalhostname" + "/Microsoft-Server-ActiveSync"
$oabinturl = "https://" + "$internalhostname" + "/OAB"
$oabexturl = "https://" + "$externalhostname" + "/OAB"
$mapiinturl = "https://" + "$internalhostname" + "/mapi"
$mapiexturl = "https://" + "$externalhostname" + "/mapi"
$aduri = "https://" + "$autodiscoverhostname" +
"/Autodiscover/Autodiscover.xml"

Get-OwaVirtualDirectory -Server $servername | Set-OwaVirtualDirectory -
internalurl $owainturl -externalurl $owaexturl
Get-EcpVirtualDirectory -server $servername | Set-EcpVirtualDirectory -
internalurl $ecpinturl -externalurl $ecpexturl
Get-WebServicesVirtualDirectory -server $servername | Set-
```

```
WebServicesVirtualDirectory -internalurl $ewsinturl -externalurl
$ewsexturl
Get-ActiveSyncVirtualDirectory -Server $servername | Set-
ActiveSyncVirtualDirectory -internalurl $easinturl -externalurl
$easexturl
Get-0abVirtualDirectory -Server $servername | Set-0abVirtualDirectory -
internalurl $oabinturl -externalurl $oabexturl
Get-MapiVirtualDirectory -Server $servername | Set-MapiVirtualDirectory
-externalurl $mapiexturl -internalurl $mapiinturl
Get-OutlookAnywhere -Server $servername | Set-OutlookAnywhere -
externalhostname $externalhostname -internalhostname $internalhostname
-ExternalClientsRequireSsl:$true -InternalClientsRequireSsl:$true -
ExternalClientAuthenticationMethod 'Negotiate'
Get-ClientAccessService $servername | Set-ClientAccessService -
AutoDiscoverServiceInternalUri $aduri

Get-OwaVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-EcpVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-WebServicesVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-ActiveSyncVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-0abVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-MapiVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OutlookAnywhere -Server $servername | fl
servername,ExternalHostname,InternalHostname
Get-ClientAccessServer $servername | fl
name,AutoDiscoverServiceInternalUri
```

## Exchange 2019

[ConfigVirtualDirectoryExchange2019.ps1](#)

```
$servername = "SERVERNAME"
$internalhostname = "mail.domain.local"
$externalhostname = "mail.domain.de"
$autodiscoverhostname = "autodiscover.domain.de"

$owainturl = "https://" + "$internalhostname" + "/owa"
$owaexturl = "https://" + "$externalhostname" + "/owa"
$ecpinturl = "https://" + "$internalhostname" + "/ecp"
$ecpexturl = "https://" + "$externalhostname" + "/ecp"
```

```

$ewsinturl = "https://" + "$internalhostname" + "/EWS/Exchange.asmx"
$ewsexturl = "https://" + "$externalhostname" + "/EWS/Exchange.asmx"
$easinturl = "https://" + "$internalhostname" + "/Microsoft-Server-ActiveSync"
$easexturl = "https://" + "$externalhostname" + "/Microsoft-Server-ActiveSync"
$oabinturl = "https://" + "$internalhostname" + "/OAB"
$oabexturl = "https://" + "$externalhostname" + "/OAB"
$mapiinturl = "https://" + "$internalhostname" + "/mapi"
$mapiexturl = "https://" + "$externalhostname" + "/mapi"
$aduri = "https://" + "$autodiscoverhostname" + "/Autodiscover/Autodiscover.xml"

```

```

Get-OwaVirtualDirectory -Server $servername | Set-OwaVirtualDirectory -internalurl $owainturl -externalurl $owaexturl -Confirm:$false
Get-EcpVirtualDirectory -server $servername | Set-EcpVirtualDirectory -internalurl $ecpinturl -externalurl $ecpexturl -Confirm:$false
Get-WebServicesVirtualDirectory -server $servername | Set-WebServicesVirtualDirectory -internalurl $ewsinturl -externalurl $ewsexturl -Confirm:$false
Get-ActiveSyncVirtualDirectory -Server $servername | Set-ActiveSyncVirtualDirectory -internalurl $easinturl -externalurl $easexturl -Confirm:$false
Get-OabVirtualDirectory -Server $servername | Set-OabVirtualDirectory -internalurl $oabinturl -externalurl $oabexturl -Confirm:$false
Get-MapiVirtualDirectory -Server $servername | Set-MapiVirtualDirectory -externalurl $mapiexturl -internalurl $mapiinturl -Confirm:$false
Get-OutlookAnywhere -Server $servername | Set-OutlookAnywhere -externalhostname $externalhostname -internalhostname $internalhostname -ExternalClientsRequireSsl:$true -InternalClientsRequireSsl:$true -ExternalClientAuthenticationMethod 'Negotiate' -Confirm:$false
Get-ClientAccessService $servername | Set-ClientAccessService -AutoDiscoverServiceInternalUri $aduri -Confirm:$false

```

```

Get-OwaVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-EcpVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-WebServicesVirtualDirectory -server $servername | fl
server,externalurl,internalurl
Get-ActiveSyncVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OabVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-MapiVirtualDirectory -Server $servername | fl
server,externalurl,internalurl
Get-OutlookAnywhere -Server $servername | fl
servername,ExternalHostname,InternalHostname
Get-ClientAccessService $servername | fl
name,AutoDiscoverServiceInternalUri

```

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