

MICROSOFT EXCHANGE 2013 Monitoring

RS-Windows-Exchange2013-allRoles (Service Profile)

611-Exch_cnt_ADAccessLDAPReadTime
611-Exch_cnt_ADAccessLDAPSearchTime
611-Exch_cnt_ADAccessLDAPSearchestimedoutperminute
611-Exch_cnt_ADAccessLongrunningLDAPoperationsPerMin
611-Exch_cnt_ADAccessProcLDAPReadTime
611-Exch_cnt_ADAccessProcLDAPSearchTime

RS-Windows-Exchange2013-Mailbox (Service Profile)

611-Exch_svc_MSExchangeIS
611-Exch_svc_MSExchangeMailSubmission
611-Exch_svc_MSExchangeMailboxAssistants
611-Exch_svc_MSExchangeRepl
611-Exch_svc_MSExchangeThrottling
611-Exch_svc_MSExchangeADTopology
611-Exch_svc_MSExchangeAntispamUpdate
611-Exch_svc_MSExchangeDagMgmt
611-Exch_svc_MSExchangeDiagnostics
611-Exch_svc_MSExchangeEdgeSync
611-Exch_svc_MSExchangeFrontEndTransport
611-Exch_svc_MSExchangeHM
611-Exch_svc_MSExchangeImap4
611-Exch_svc_MSExchangeIMAP4BE
611-Exch_svc_MSExchangeDelivery
611-Exch_svc_MSExchangeMailboxReplication
611-Exch_svc_MSExchangeMigrationWorkflow
611-Exch_svc_MSExchangePop3
611-Exch_svc_MSExchangePOP3BE
611-Exch_svc_MSExchangeRPC
611-Exch_svc_MSExchangeHostControllerService
611-Exch_svc_MSExchangewsboxexchange
611-Exch_svc_MSExchangeTransport
611-Exch_svc_MSExchangeTransportLogSearch
611-Exch_svc_MSExchangeUM
611-Exch_svc_MSExchangeUMCR
611-Exch_svc_MSExchangeFastSearch
611-Exch_svc_MSExchangeServiceHost

RS-Windows-Exchange2013-Transport (Service Profile)

611-Exch_cnt_ActiveMailboxDeliveryQueueLength
611-Exch_cnt_ActiveNonSmtpDeliveryQueueLength
611-Exch_cnt_InternalActiveRemoteDeliveryQueueLength
611-Exch_cnt_ExternalActiveRemoteDeliveryQueueLength
611-Exch_cnt_InternalAggregateDeliveryQueueLengthAllInternalQueues
611-Exch_cnt_ExternalAggregateDeliveryQueueLengthAllExternalQueues
611-Exch_cnt_InternalLargestDeliveryQueueLength
611-Exch_cnt_ExternalLargestDeliveryQueueLength
611-Exch_cnt_MessagesQueuedForDelivery
611-Exch_cnt_PoisonQueueLength
611-Exch_cnt_RetryMailboxDeliveryQueueLength
611-Exch_cnt_RetryNonSmtpDeliveryQueueLength
611-Exch_cnt_InternalRetryRemoteDeliveryQueueLength
611-Exch_cnt_ExternalRetryRemoteDeliveryQueueLength
611-Exch_cnt_SubmissionQueueLength
611-Exch_cnt_UnreachableQueueLength

Healthchecks

OWA Outlook Web Access
https:<servername>/owa/healthcheck.htm

ECP Exchange Control Panel
https:<servername>/ecp/healthcheck.htm

EWS Exchange Web Services
https:<servername>/ews/healthcheck.htm

OAB Offline Address Book
https:<servername>/OAB/healthcheck.htm

RPC Remote Procedure Call
https:<servername>/rpc/healthcheck.htm

Microsoft ActiveSync
https:<servername>/Microsoft-Server-ActiveSync/healthcheck.htm

```
./check_http -H pod51049.outlook.com -u /owa/healthcheck.htm -S -e "200 OK"  
HTTP OK: Status line output matched "200 OK" - 286 bytes in 0.174 second response  
time |time=0.173997s;;;0.000000 size=286B;;;0
```

Zertifikate Testen

Mit Nagios check_http Plugins
./check_http -H pod51049.outlook.com -C 20
OK - Certificate will expire on 07/23/2016 18:34.

Mails pro Tag

Total Emails Sent Received Per Day with PowerShell Script

```
check_mailtransfer.ps1  
DayOfWeek,Date,Sent,Sent Size,Received,Received Size  
Monday,20.10.2014,288,2,1008,1
```

Mailboxgrößen

(Get-MailboxStatistics -Server EX1).totalitemsize.value.ToGB() | Measure-Object -sum -average -max -min

```
Count      : 10  
Average    : 40,1  
Sum        : 401  
Maximum    : 269  
Minimum    : 0  
Property  :
```

Anzahl Mailboxen

PowerShell – Script Analog Mailboxgrößen

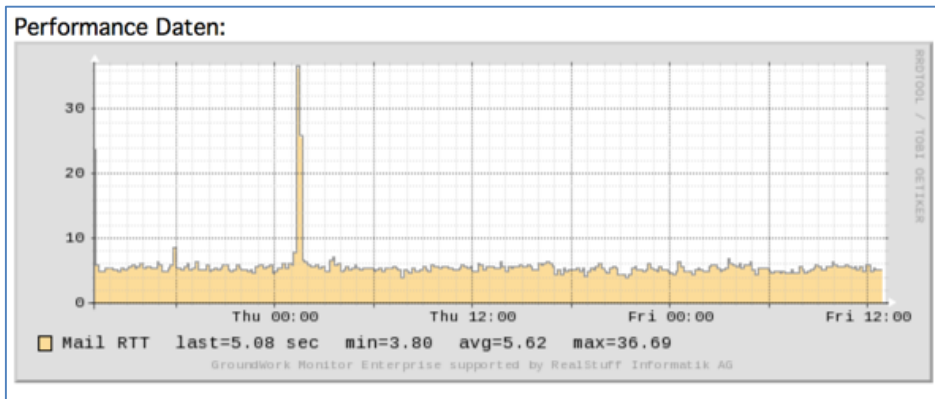
Anzahl Client Connections

Get-CASActiveUsers -ComputerName cas1,cas2
Get-ClientAccessServer | Get-CASActiveUsers

Server	Outlook Web App	RPC Client Access
SRV1	17	13
SRV2	12	15

Mail Round Trip

Mit einem PowerShell Exchange Webservices (EWS) Plugin und einem oder mehreren Echo-Servern.



Reporting

Auswertungen können mit GroundWork Birt Reporting aus der Datenbank erfolgen.

Sämtliche Performance Daten werden dort als gemittelter Tageswert sowie dem Tages Max- und Tages Min-Wert geführt.

Beispiel: Antwortzeit des Service 711-check_mail

servicestatusid	lastchecktime	maximum	minimum	average
711-check_mail	18.06.15 23:57	70.86	3.52	5.708341232
711-check_mail	17.06.15 23:57	34.03	3.6	5.665492958
711-check_mail	16.06.15 23:53	11.05	3.88	5.490896226
711-check_mail	15.06.15 23:55	7.57	3.5	5.279530516
711-check_mail	14.06.15 23:59	10.4	3.74	5.188037383
711-check_mail	13.06.15 23:57	7.46	3.46	5.060892019
711-check_mail	12.06.15 23:54	43.78	3.26	5.301549296
711-check_mail	11.06.15 23:59	7.67	3.64	5.356857143
711-check_mail	10.06.15 23:58	6.9	3.28	5.275794393
711-check_mail	09.06.15 23:53	19.84	3.83	5.348403756
711-check_mail	08.06.15 23:57	13.43	3.66	5.290140187
711-check_mail	07.06.15 23:55	15.2	3.57	5.275794393
711-check_mail	06.06.15 23:55	13.75	3.3	5.243207547
711-check_mail	05.06.15 23:58	16.9	3.41	5.30056338
711-check_mail	04.06.15 23:55	36.5	3.98	5.727196262
711-check_mail	03.06.15 23:54	14.35	3.35	5.653773585
711-check_mail	02.06.15 23:58	7.91	3.8	5.644626168
711-check_mail	01.06.15 23:57	8	3.99	5.666401869