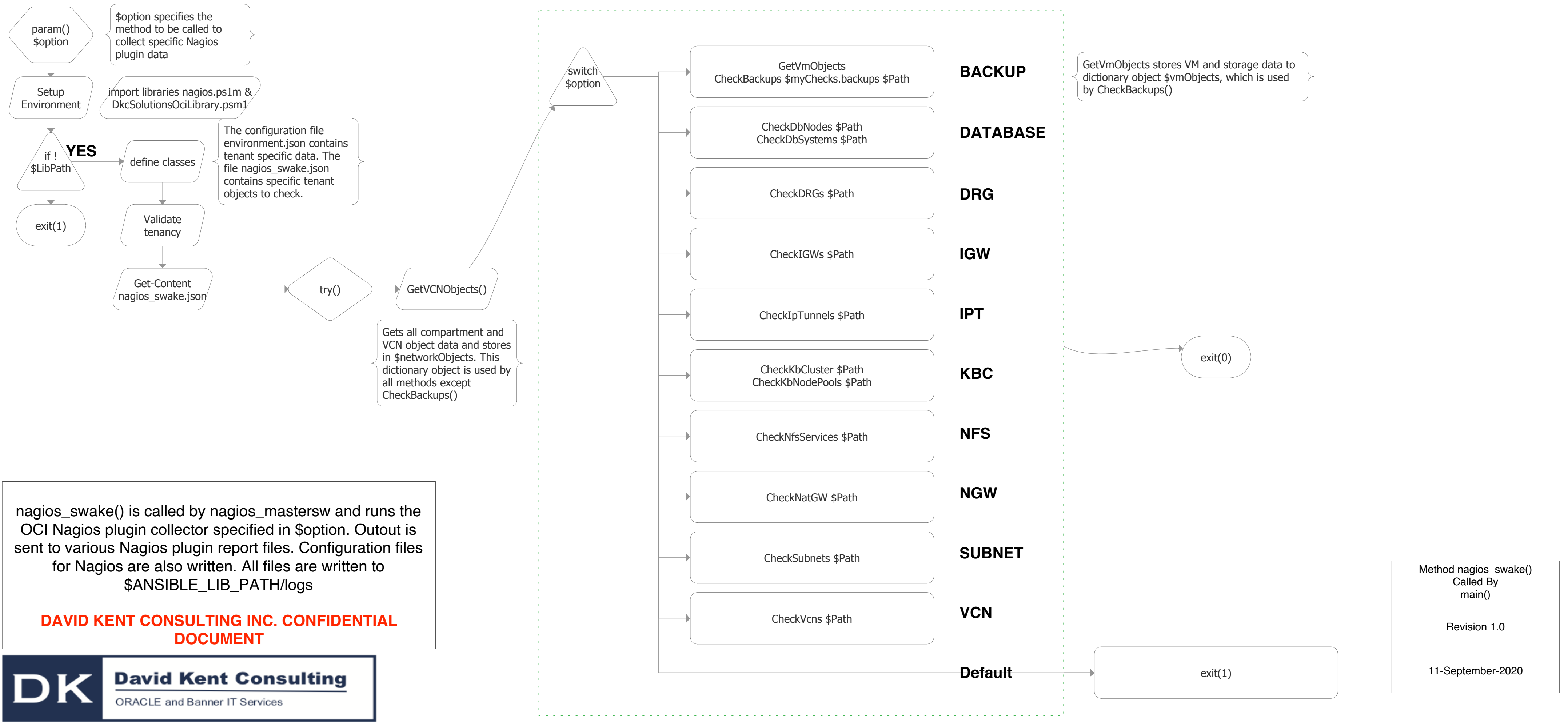
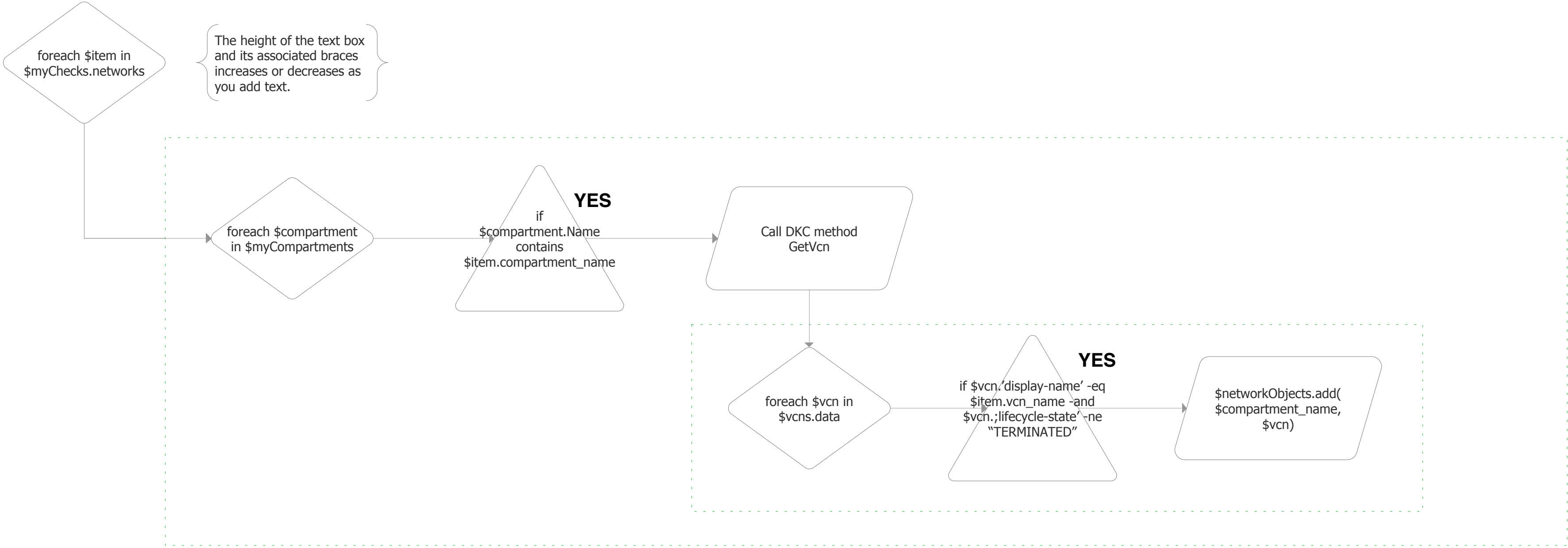


Program nagios\_mastersw.ps1 multi-threaded sleep-wake daemon launches multiple concurrent jobs to available PROCS, then sleeps for 5 minutes. It then awakens and repeats infinitely unless an exception is detected, in which case it gracefully exits.

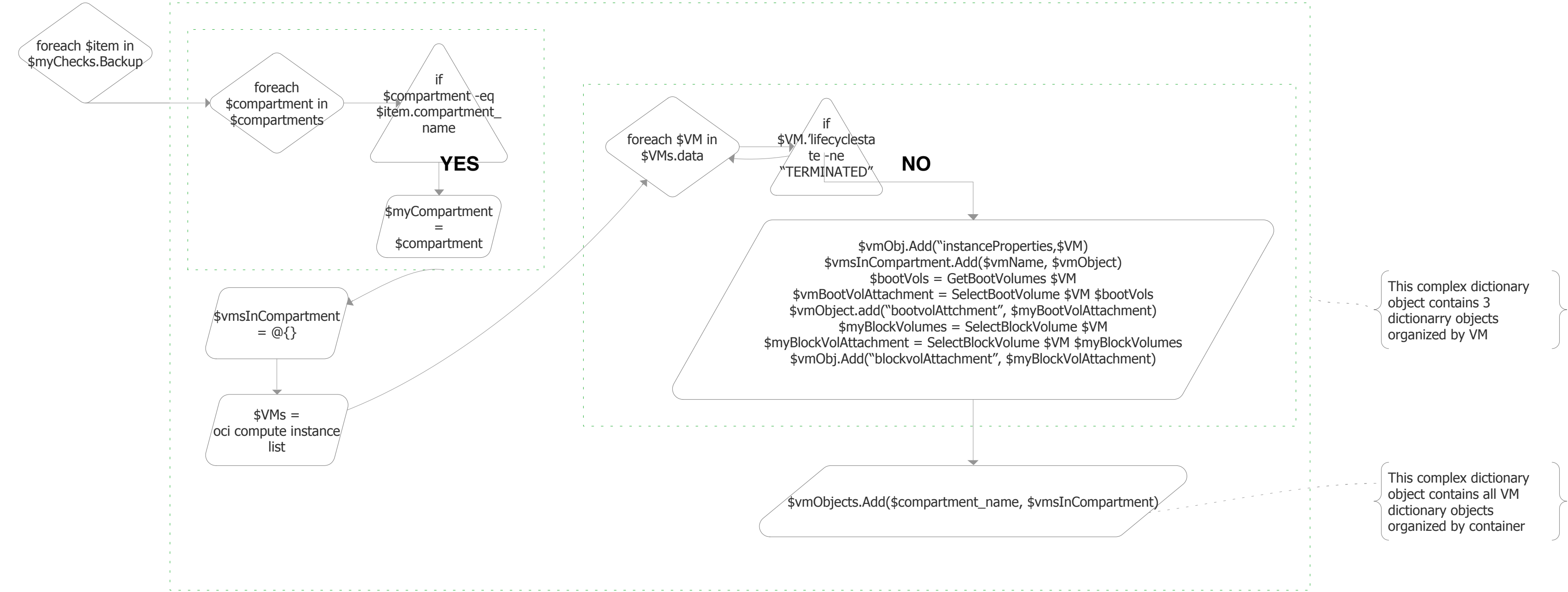
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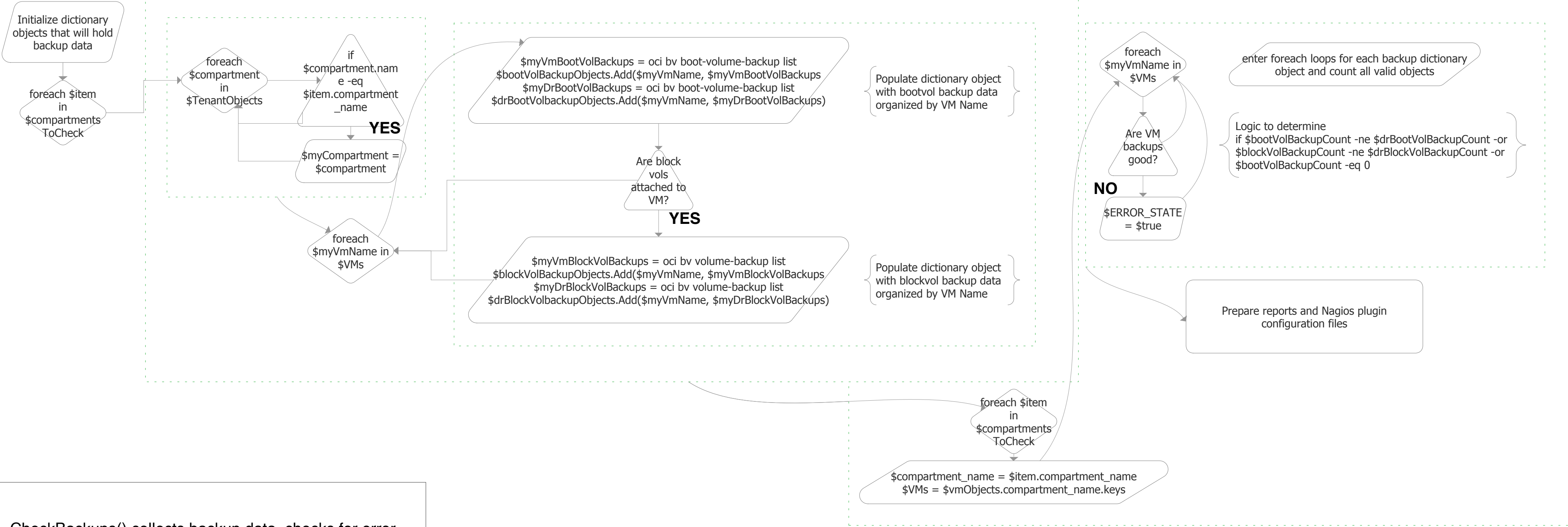
GetVcnObjects creates dictionary objects for all VCNs specified within the .JSON file input to nagios\_swake()

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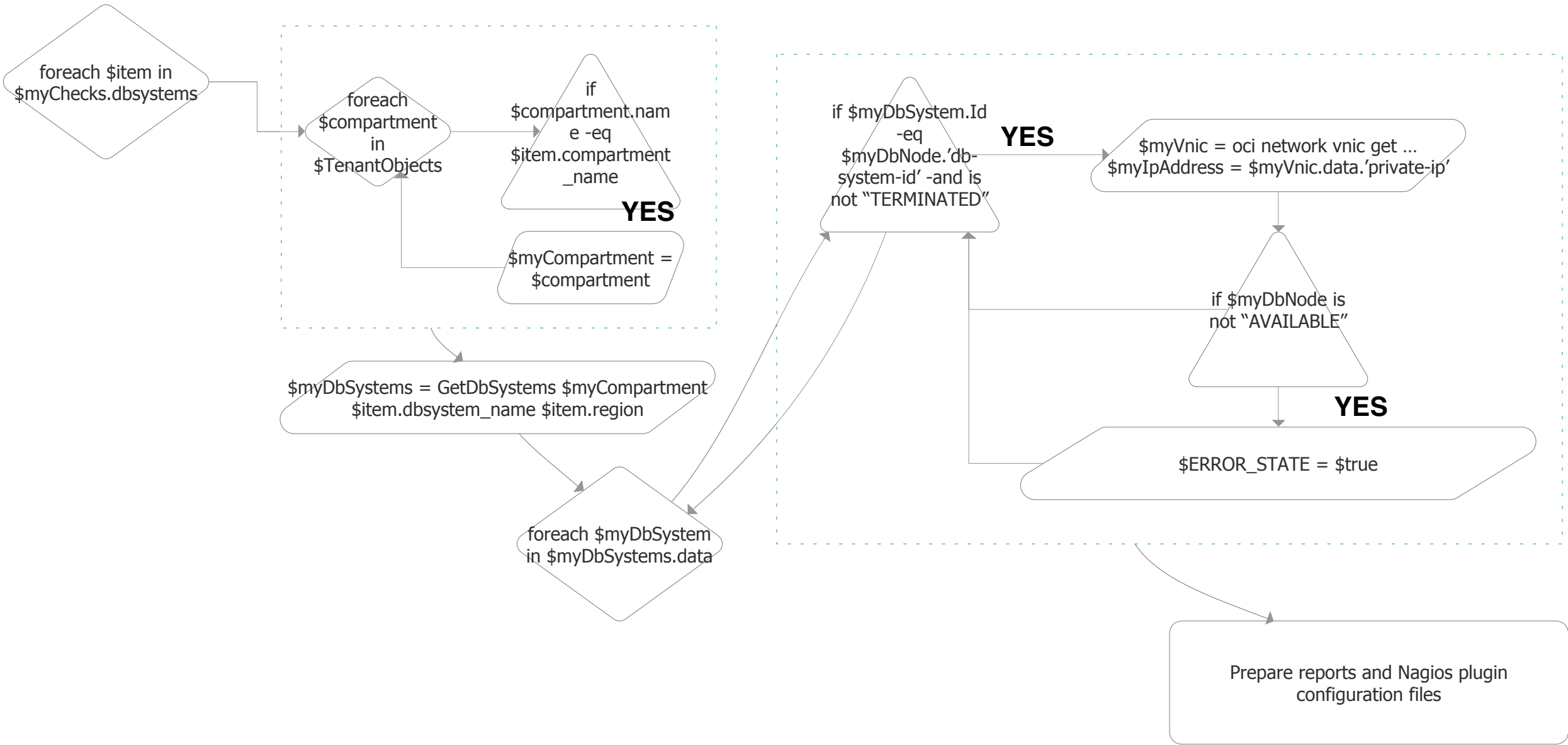
GetVmObjects method builds a complex dictionary object that contains all reusable VM instance and disk attachment data for all compartments specified in the .JSON file passed to nagios\_swake()

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CheckBackups() collects backup data, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

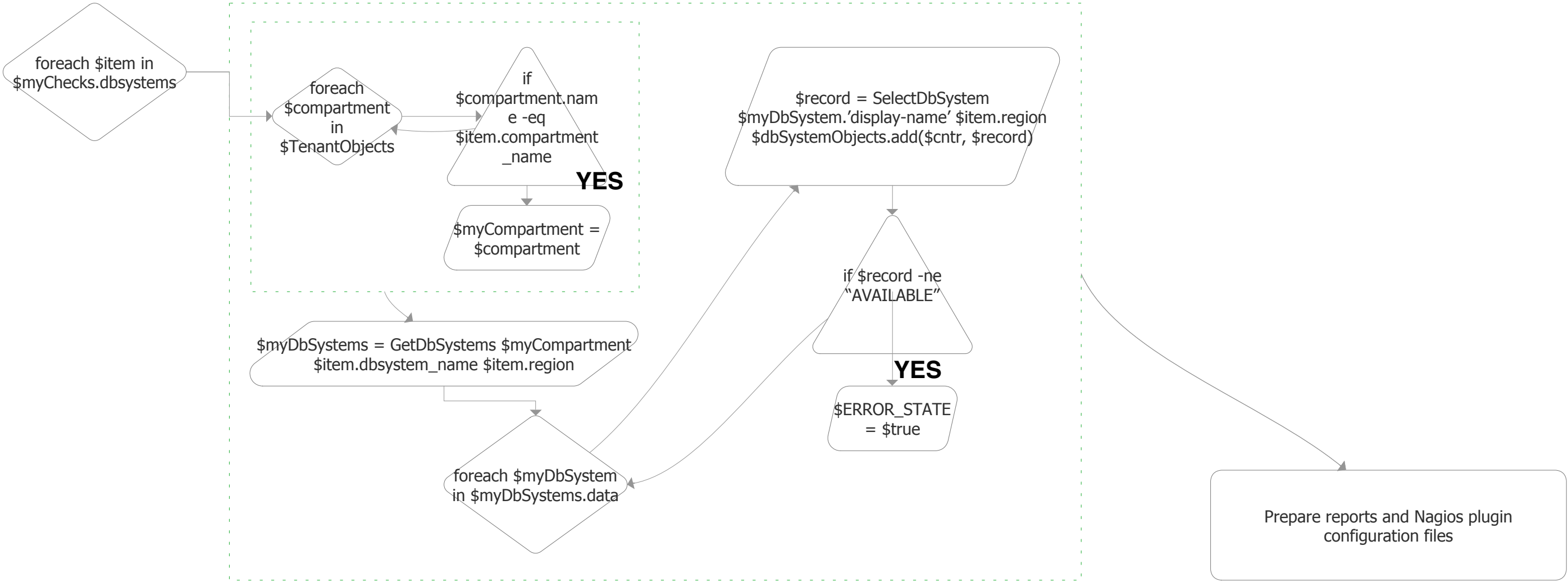
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CheckDbNodes() collects the state of DBaaS service nodes, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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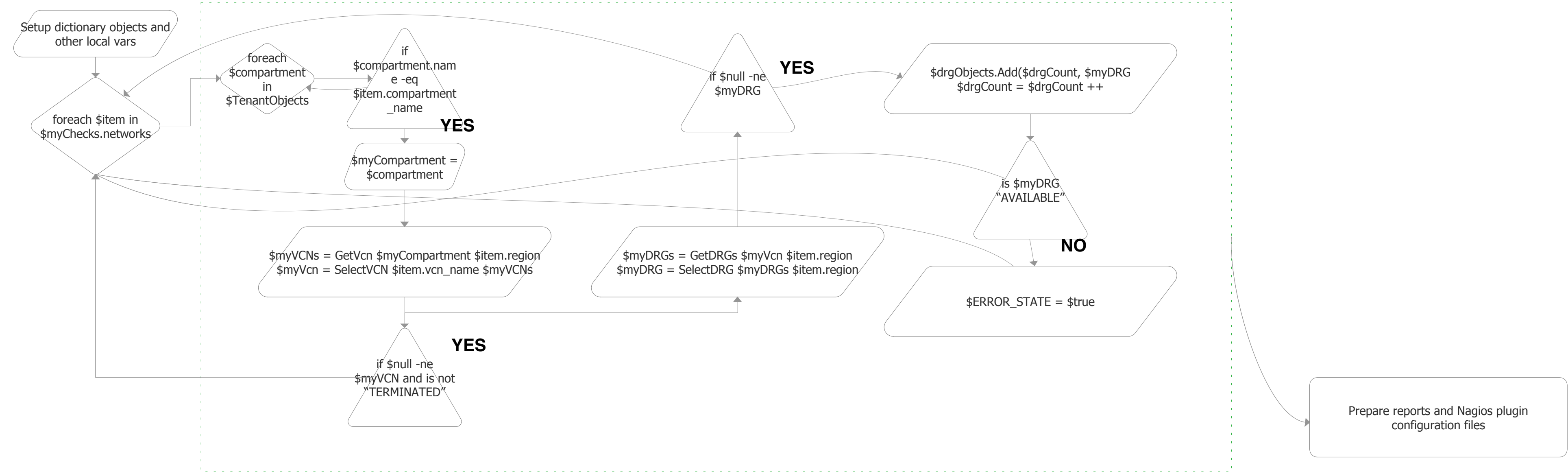
Method CheckDbNodes() Called By nagios_swake()
Revision 1.0
11-September-2020



CheckDbSystems() collects the state of DBaaS service by DBaaS, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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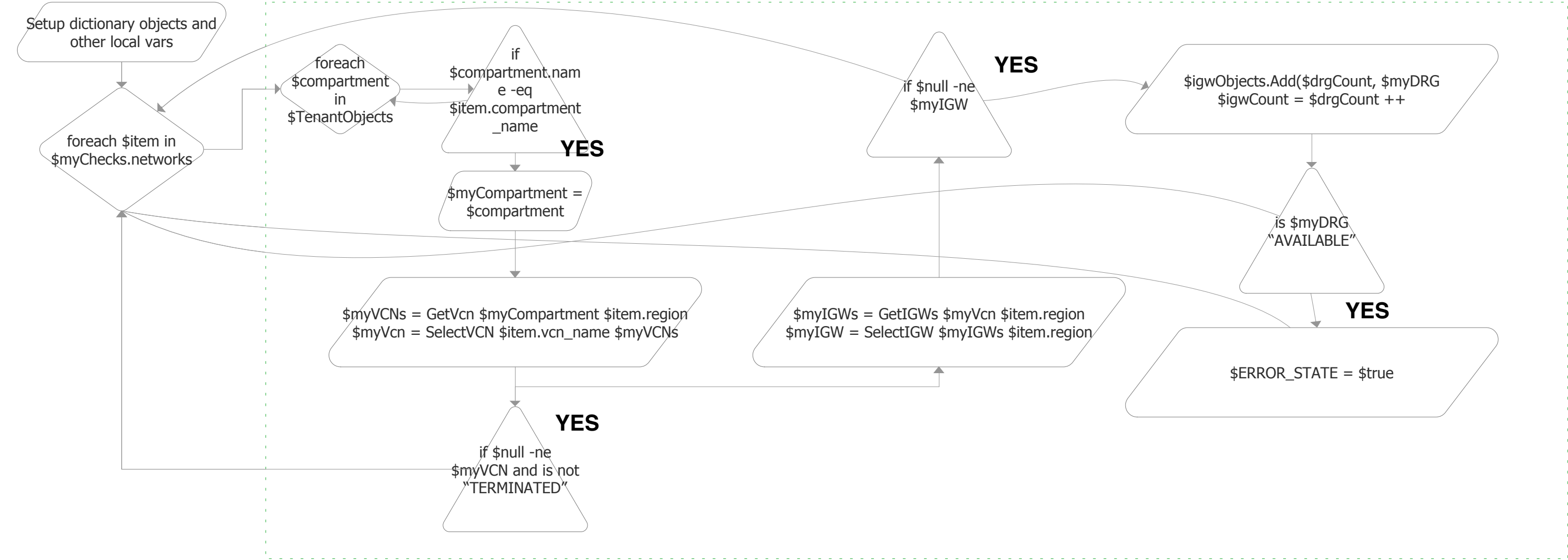
CheckDRGs() collects the state of dynamic cloud routers within the VCN, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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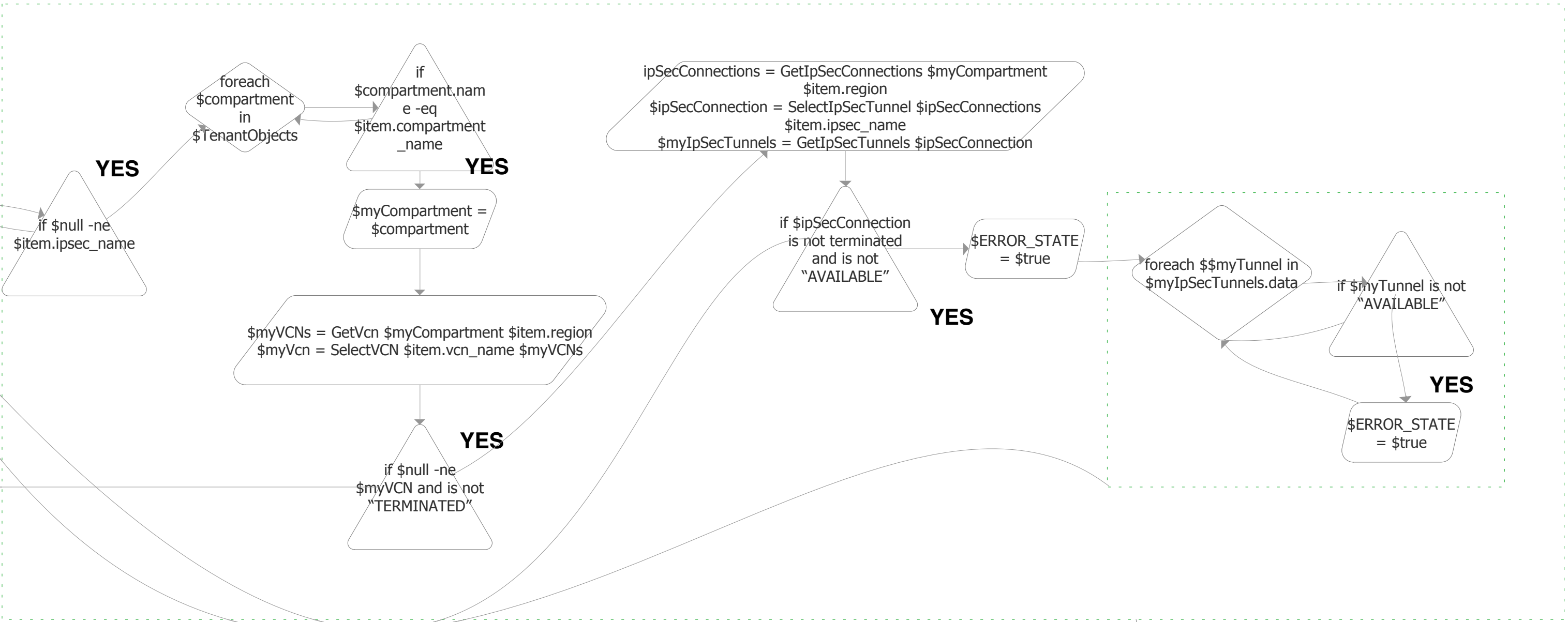
Method CheckDRGs() Called By nagios_swake()
Revision 1.0
11-September-2020





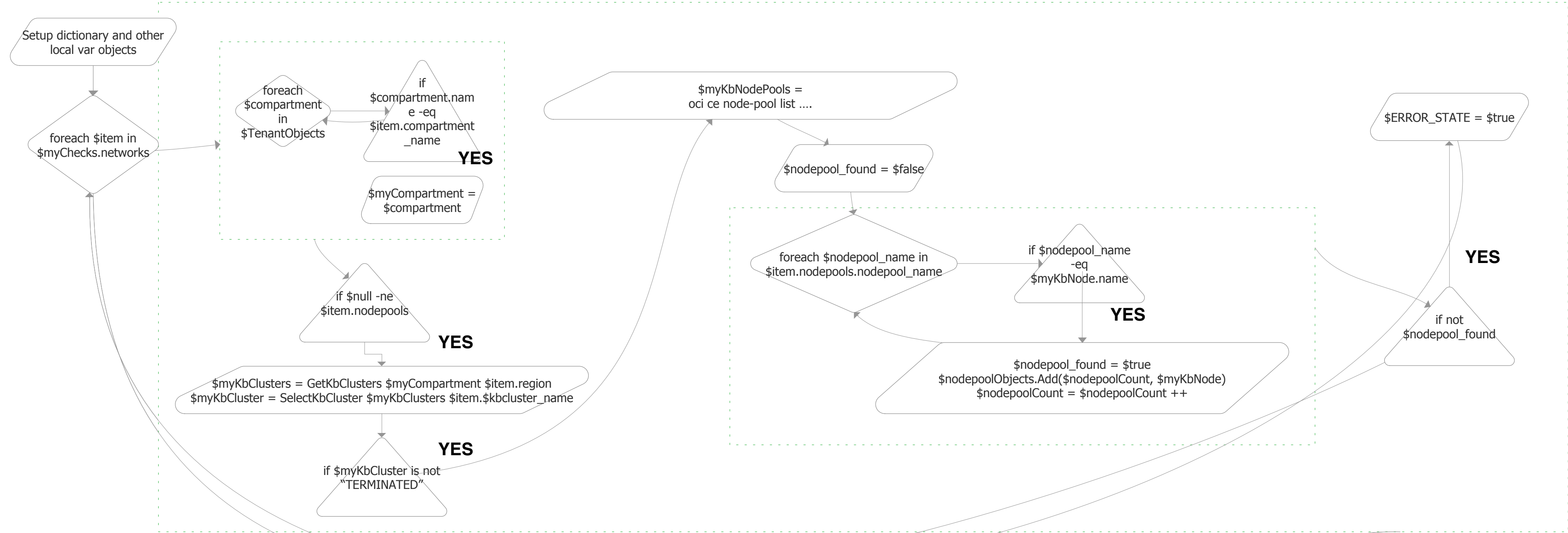
CheckIGWs() collects the state of internet cloud routers within the VCN, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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CheckIpTunnels() collects the state of the IPSEC connections and IPSEC tunnels within the VCN, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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CheckKbNodePools() collects the state of the Kubernetes Nodepools within the compartment, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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Prepare reports and Nagios plugin configuration files

Initialize local dictionary  
and var objects

foreach \$item in  
\$myChecks.Networks

foreach  
\$compartment  
in  
\$TenantObjects

if  
\$compartment.nam  
e -eq  
\$item.compartment  
\_name

**YES**

\$myCompartment =  
\$compartment

if \$null -ne  
\$item.natgw\_name

**YES**

\$myNatGWs = oci network nat-gateway list ....

if \$null -ne  
\$myNatGWs

**YES**

\$myNatGW = SelectNGW \$item.natgw\_name \$myNatGWs

if \$null -ne  
\$myNatGW

\$natGwObjects.Add(\$natGwCount, \$myNatGW  
\$natGwCount ++

if \$myNatGW  
not healthy

\$ERROR\_STATE  
= \$true

**NO**

\$myVCNs = GetVCN \$myCompartment \$item.dr\_region

Any VCNs found  
that are not  
'TERMINATED'

\$myNatGW = SelectNGW \$item.natgw\_name \$myNatGWs

if \$null -ne  
\$myNatGW

if \$null -ne  
\$myNatGW

\$natGwObjects.Add(\$natGwCount, \$myNatGW  
\$natGwCount ++

if \$myNatGW  
not healthy

\$ERROR\_STATE  
= \$true

All conditions equal YES

All conditions equal YES

Logic: \$myNatGW.'lifecycle-state' -ne  
'TERMINATED' -and \$myNatGW.'lifecycle-  
state' -ne 'AVAILABLE'

We have to account for  
checking for NAT GWs in  
the DR region

CheckNetGW() collects the state of cloud network address  
translation gateways within the VCN, checks for error  
conditions, and then produces a nagios plugin report with  
nagios configuration files.

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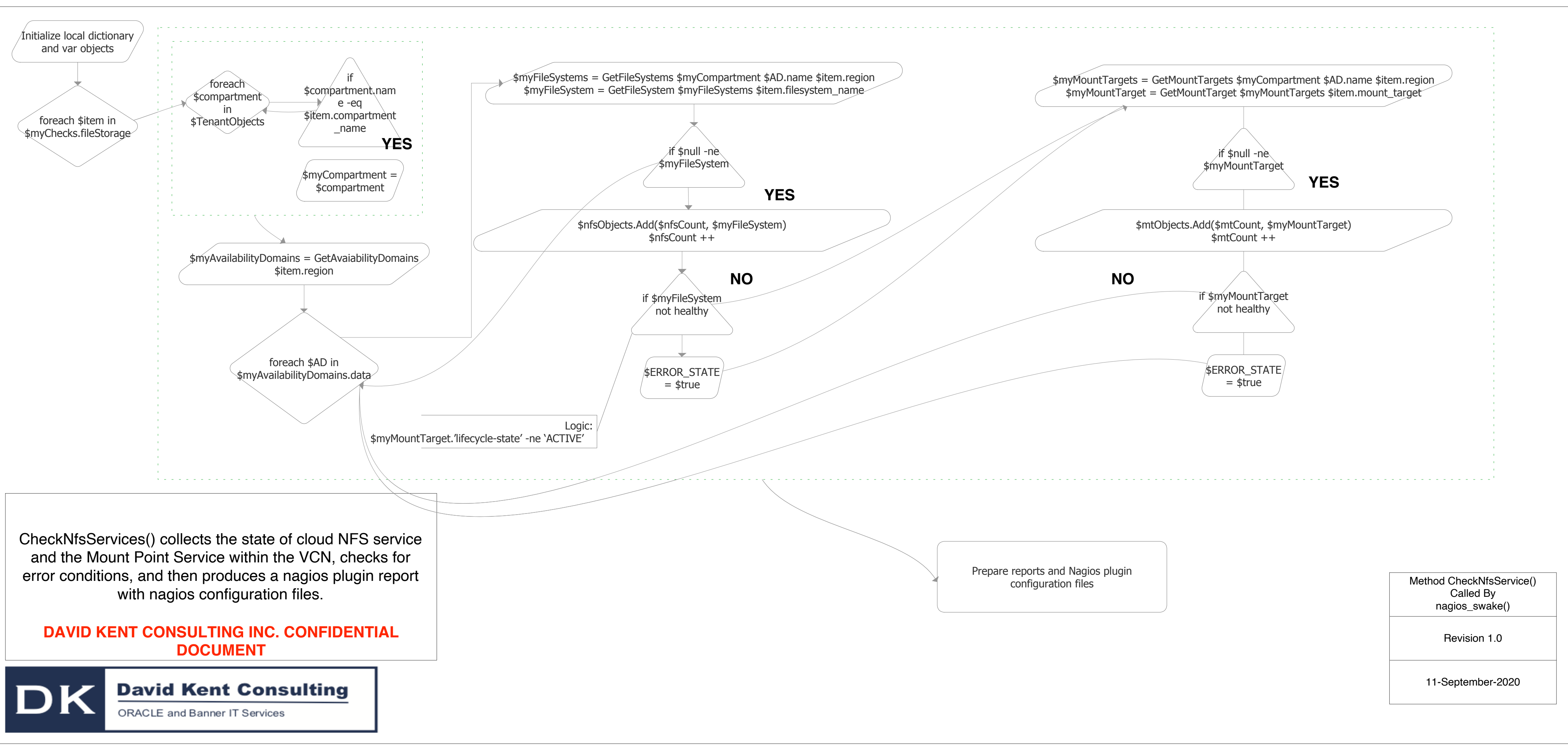


Prepare reports and Nagios plugin  
configuration files

Method CheckNetGW()  
Called By  
nagios\_swake()

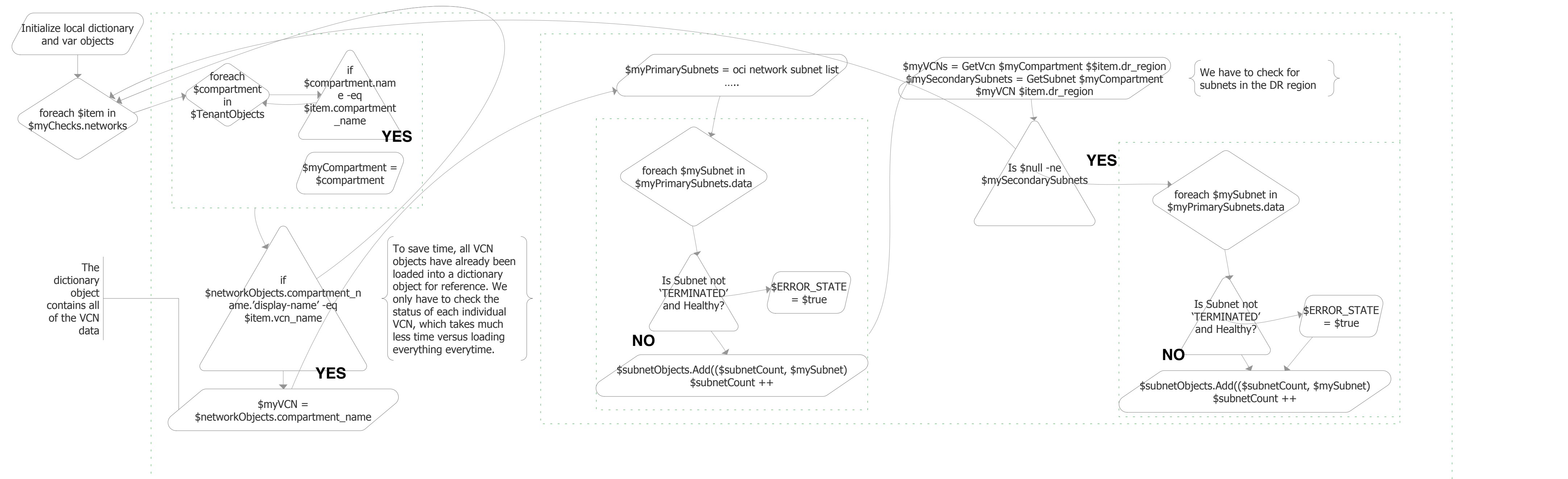
Revision 1.0

11-September-2020



CheckNfsServices() collects the state of cloud NFS service and the Mount Point Service within the VCN, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

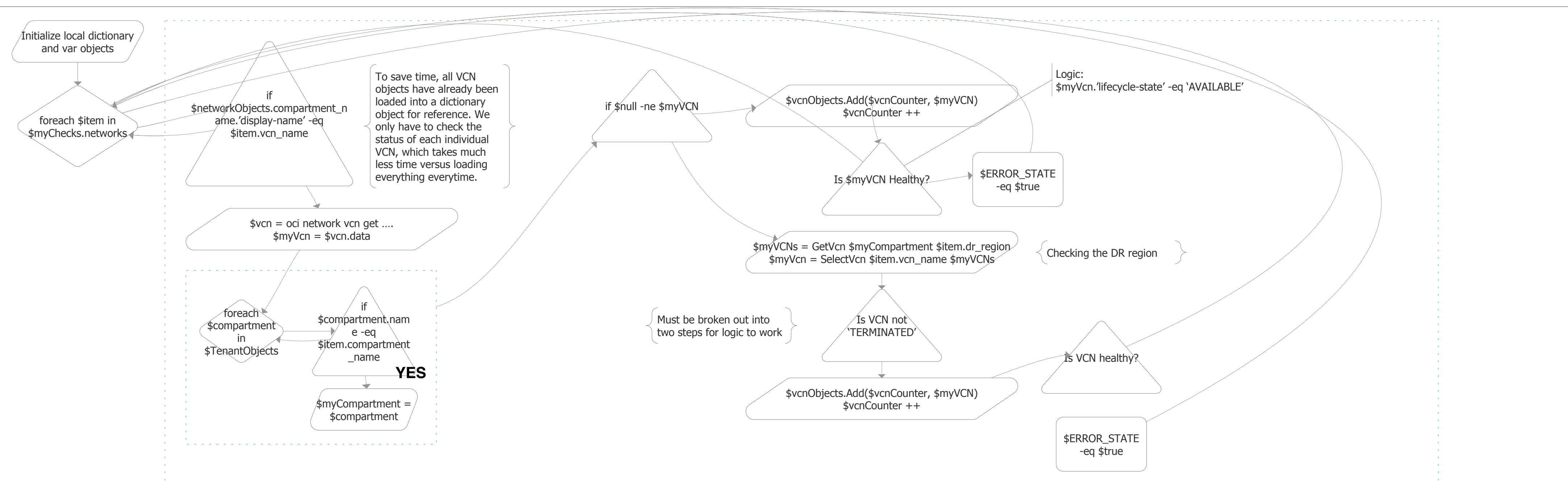
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CheckSubnets() collects the state of cloud subnet within the VCN, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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CheckVCNs() collects the state of cloud VCN within the compartment, checks for error conditions, and then produces a nagios plugin report with nagios configuration files.

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