

# **TDC BUDDY**

## **Overvågning**

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## 1 Overvågning af Windows servere

### 1.1 Serveroverblik

Emne	Hostnavn	IP Address
PROD 1	netdesign5y1xhg. northeurope.cloudapp.azure.com	74.234.68.38
PROD 2	netdesignx044q0. northeurope.cloudapp.azure.com	74.234.68.45
TEST	netdesign-buddy-test.northeurope.cloudapp.azure.com	20.13.163.13

### 1.2 CI

Følgende CI's er oprettet ([Link til ServiceNow](#))

Navn	Company	Manufacturer	Model ID	Emne
Buddy-Prod-1	NetDesign A/S	TDC Erhverv	Buddy	PROD 1
Buddy-Prod-2	NetDesign A/S	TDC Erhverv	Buddy	PROD 2
Buddy-Test	NetDesign A/S	TDC Erhverv	Buddy	TEST

### 1.3 SNMP Service

SNMP-service rolle er installeret og konfigureret på serverne.

#### 1.3.1 Agent

Contact	jha@tdc.dk
Location	Teglholmen

#### 1.3.2 Traps

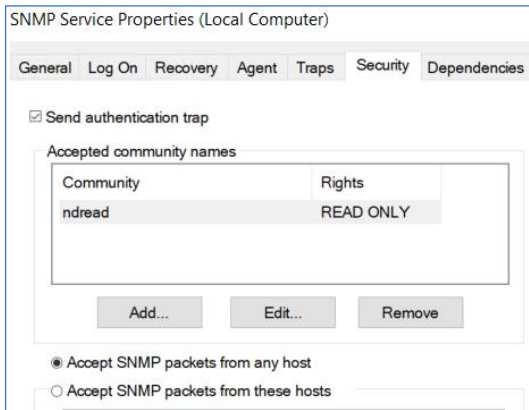
Server	Community Name
Buddy-Prod-1	buddy_prod_1
Buddy-Prod-2	buddy_prod_2
Buddy-Test	buddy_test

Trap Destination	80.63.1.204
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### 1.3.3 Security

Under Security er Community sat til "ndread" med rights = "READ ONLY".

SNMP-pakker tillades fra alle hosts. Styring af adgang sker via Azure Firewall.



## 1.4 Firewall

### 1.4.1 Windows Servere

I firewall på Windows serverne er der oprettet reglen "TDC SNMP", der tillader indgående trafik på port 161,162 UDP.

Herudover er der oprettet reglen "ICMP Allow incoming V4 echo request", som tillader PING mod serveren.

### 1.4.2 Azure NSG

På Azure Network Security Group er der oprettet følgende inbound regler, der tillader PING og SNMP på port 161,162. Adgangen er begrænset til netværket 80.63.1.0/24 (og jacobhjemme).

Inbound port rules (11)				
100	AllowPingFromTdc	Any	ICMP	80.63.1.0/24,2.105.199....
200	AllowSnmplnboundFromTDC	161,162	Any	80.63.1.0/24,2.105.199....

## 2 API Overvågning

Der er oprettet en række interfaces til applikationsovervågning. Response returneres som JSON.

Eventuelle fejl vil blive beskrevet i felterne *Message*, *ErrorText* og *ErrorException*.

*StatusCode* = 200, *ErrorCode* = 0 og *ErrorText* = "" indikerer ingen fejl.

### 2.1 Load Balancer

Disse API tester adgang til applikationen via Azure load balancer. Det er sådan applikationen tilgås fra kunderne. Mulige værdier er markeret med **fed** og afskilt af en '|'.  
Værdien vil afhænge af, om kaldet blev sendt videre til server 1 eller 2.

#### 2.1.1 Frontend

URL: <https://netdesign-buddy-prod.northeurope.cloudapp.azure.com/TDC>

```
{
  "ApplicationEnvironment": "PROD",
  "ApplicationType": "FRONTEND",
  "CmdbName": "Buddy-Prod-1|Buddy-Prod-2",
  "ServerNumber": 1,
  "ServerHostName": "netdesign5ylxhg|netdesignx044q0",
  "ServerFqdnName": "netdesign5ylxhg|netdesignx044q0.northeurope.cloudapp.azure.com",
  "ServerIp": "74.234.68.38|74.234.68.45",
  "StatusCode": 200,
  "ErrorText": "",
  "Message": "TDC BUDDY Frontend - Responding"
}
```

#### 2.1.2 Backend

URL: <https://netdesign-buddy-prod.northeurope.cloudapp.azure.com:8443/TDC/api/Monitor>

```
{
  "ApplicationEnvironment": "PROD",
  "ApplicationType": "BACKEND",
  "CmdbName": "Buddy-Prod-1|Buddy-Prod-2",
  "ServerNumber": 1|2,
  "ServerHostName": "netdesign5ylxhg|netdesignx044q0",
  "ServerFqdnName": "netdesign5ylxhg|netdesignx044q0.northeurope.cloudapp.azure.com",
  "ServerIp": "74.234.68.38|74.234.68.45",
  "StatusCode": 200,
  "ErrorCode": 0,
  "ErrorException": null,
  "ErrorText": "",
  "Message": "TDC BUDDY Backend - Responding"
}
```

## 2.2 Buddy-Prod-1

Disse API tester adgang til applikationen på PROD server 1.

### 2.2.1 Frontend

URL: <https://netdesign5y1xhg.northeurope.cloudapp.azure.com/TDC>

```
{
  "ApplicationEnvironment": "PROD",
  "ApplicationType": "FRONTEND",
  "CmdbName": "Buddy-Prod-1",
  "ServerNumber": 1,
  "ServerHostName": "netdesign5y1xhg",
  "ServerFqdnName": "netdesign5y1xhg.northeurope.cloudapp.azure.com",
  "ServerIp": "74.234.68.38",
  "StatusCode": 200,
  "ErrorText": "",
  "Message": "TDC BUDDY Frontend - Responding"
}
```

### 2.2.2 Backend

URL: <https://netdesign5y1xhg.northeurope.cloudapp.azure.com:8443/TDC/api/Monitor>

```
{
  "ApplicationEnvironment": "PROD",
  "ApplicationType": "BACKEND",
  "CmdbName": "Buddy-Prod-1",
  "ServerNumber": 1,
  "ServerHostName": "netdesign5y1xhg",
  "ServerFqdnName": "netdesign5y1xhg.northeurope.cloudapp.azure.com",
  "ServerIp": "74.234.68.38",
  "StatusCode": 200,
  "ErrorCode": 0,
  "ErrorException": null,
  "ErrorText": "",
  "Message": "TDC BUDDY Backend - Responding"
}
```

## 2.3 Buddy-Prod-2

Disse API tester adgang til applikationen på PROD server 2.

### 2.3.1 Frontend

URL: <https://netdesignx044q0.northeurope.cloudapp.azure.com/TDC>

```
{
  "ApplicationEnvironment": "PROD",
  "ApplicationType": "FRONTEND",
  "CmdbName": "Buddy-Prod-2",
  "ServerNumber": 1,
  "ServerHostName": "netdesignx044q0",
  "ServerFqdnName": "netdesignx044q0.northeurope.cloudapp.azure.com",
  "ServerIp": "74.234.68.45",
  "StatusCode": 200,
  "ErrorText": "",
  "Message": "TDC BUDDY Frontend - Responding"
}
```

### 2.3.2 Backend

URL: <https://netdesignx044q0.northeurope.cloudapp.azure.com:8443/TDC/api/Monitor>

```
{
  "ApplicationEnvironment": "PROD",
  "ApplicationType": "BACKEND",
  "CmdbName": "Buddy-Prod-2",
  "ServerNumber": 1,
  "ServerHostName": "netdesignx044q0",
  "ServerFqdnName": "netdesignx044q0.northeurope.cloudapp.azure.com",
  "ServerIp": "74.234.68.45",
  "StatusCode": 200,
  "ErrorCode": 0,
  "ErrorException": null,
  "ErrorText": "",
  "Message": "TDC BUDDY Backend - Responding"
}
```

## 2.4 Buddy-Test

Disse API tester adgang til applikationen på TEST server.

TEST skal standard være i maintenance og kun benyttes til at teste overvågning.

### 2.4.1 Frontend

URL: <https://netdesign-buddy-test.northeurope.cloudapp.azure.com/TDC>

```
{
  "ApplicationEnvironment": "TEST",
  "ApplicationType": "FRONTEND",
  "CmdbName": "Buddy-Test",
  "ServerNumber": 1,
  "ServerHostName": "netdesign-buddy-test",
  "ServerFqdnName": "netdesign-buddy-test.northeurope.cloudapp.azure.com",
  "ServerIp": "20.13.163.13",
  "StatusCode": 200,
  "ErrorText": "",
  "Message": "TDC BUDDY Frontend - Responding"
}
```

### 2.4.2 Backend

URL: <https://netdesign-buddy-test.northeurope.cloudapp.azure.com:8443/TDC/api/Monitor>

```
{
  "ApplicationEnvironment": "TEST",
  "ApplicationType": "BACKEND",
  "CmdbName": "Buddy-Test",
  "ServerNumber": 1,
  "ServerHostName": "netdesign-buddy-test",
  "ServerFqdnName": "netdesign-buddy-test.northeurope.cloudapp.azure.com",
  "ServerIp": "20.13.163.13",
  "StatusCode": 200,
  "ErrorCode": 0,
  "ErrorException": null,
  "ErrorText": "",
  "Message": "TDC BUDDY Backend - Responding"
}
```