

En netværkskonfiguration

- Computerne sidder på samme fysiske net.
- Computerne er medlem af det samme logiske net 194.182.53.0
- Computerens host navn er forskellige

The diagram illustrates a network configuration with four desktop computers connected to a central horizontal network line. Each computer is connected to the line by a diagonal line. Above the top-left computer is a label: IP: 194.182.53.10, Subnet: 255.255.255.0. Above the top-right computer is a label: IP: 194.182.53.11, Subnet: 255.255.255.0. Below the bottom-left computer is a label: IP: 194.182.53.12, Subnet: 255.255.255.0. Below the bottom-right computer is a label: IP: 194.182.53.13, Subnet: 255.255.255.0.

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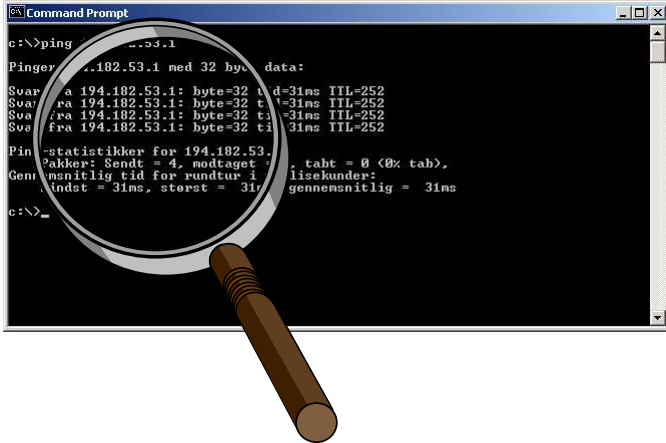
Ping kommandoen

- En indbygget testfunktion i TCP/IP
- Ping kommandoen findes i næsten alt TCP/IP udstyr
- Sender en testpakke til modtager som besvarer med en testpakke.

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Kunnsenter midt

Ping kommandoen

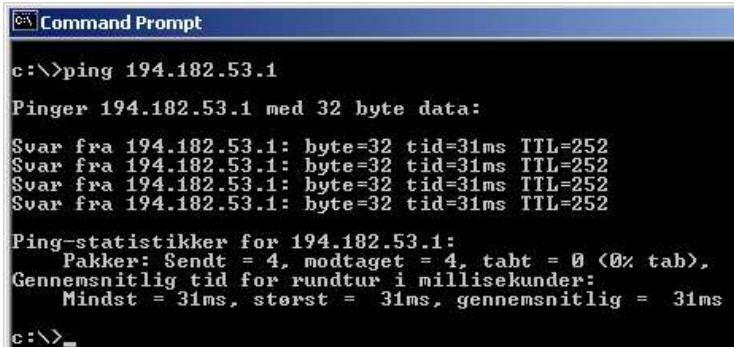


```
c:\>ping 194.182.53.1
Pinger 194.182.53.1 med 32 byte data:
Svar fra 194.182.53.1: byte=32 tid=31ms TTL=252
Svar fra 194.182.53.1: byte=32 tid=31ms TTL=252
Svar fra 194.182.53.1: byte=32 tid=31ms TTL=252
Ping-statistikker for 194.182.53.1:
    Pakker: Sendt = 4, modtaget = 4, tabt = 0 (0% tab),
    Gennemsnitlig tid for rundtur i millisekunder:
    Mindst = 31ms, størst = 31ms, gennemsnitlig = 31ms
c:\>
```

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Kunnsenter midt

Ping kommandoen



```
c:\>ping 194.182.53.1
Pinger 194.182.53.1 med 32 byte data:
Svar fra 194.182.53.1: byte=32 tid=31ms TTL=252
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Ping-statistikker for 194.182.53.1:
    Pakker: Sendt = 4, modtaget = 4, tabt = 0 (0% tab),
    Gennemsnitlig tid for rundtur i millisekunder:
    Mindst = 31ms, størst = 31ms, gennemsnitlig = 31ms
c:\>
```

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En kommando prompt åbnes

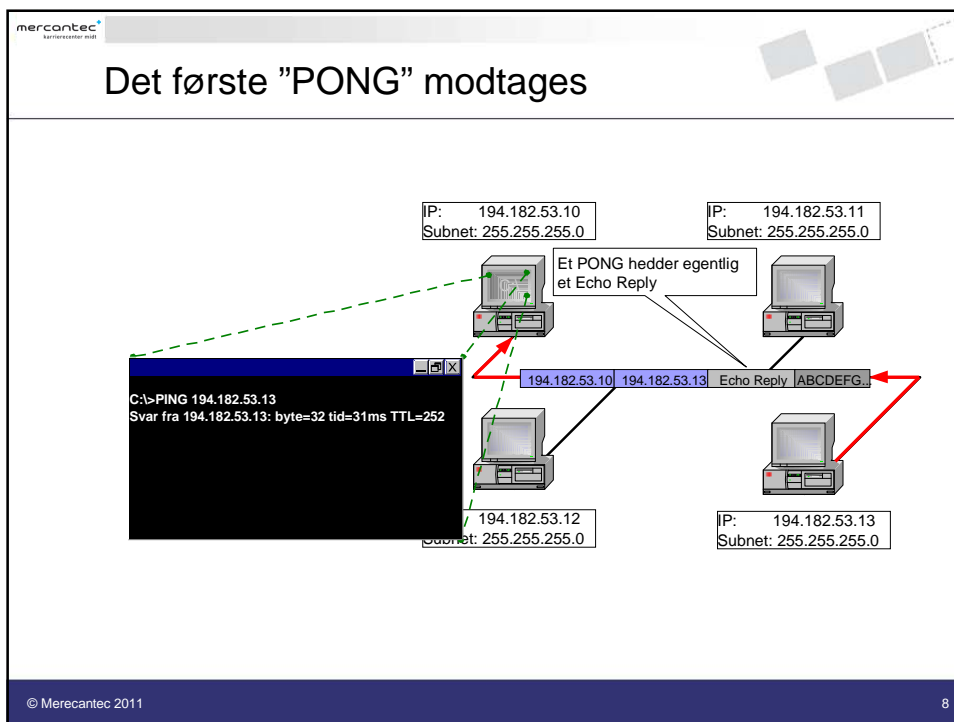
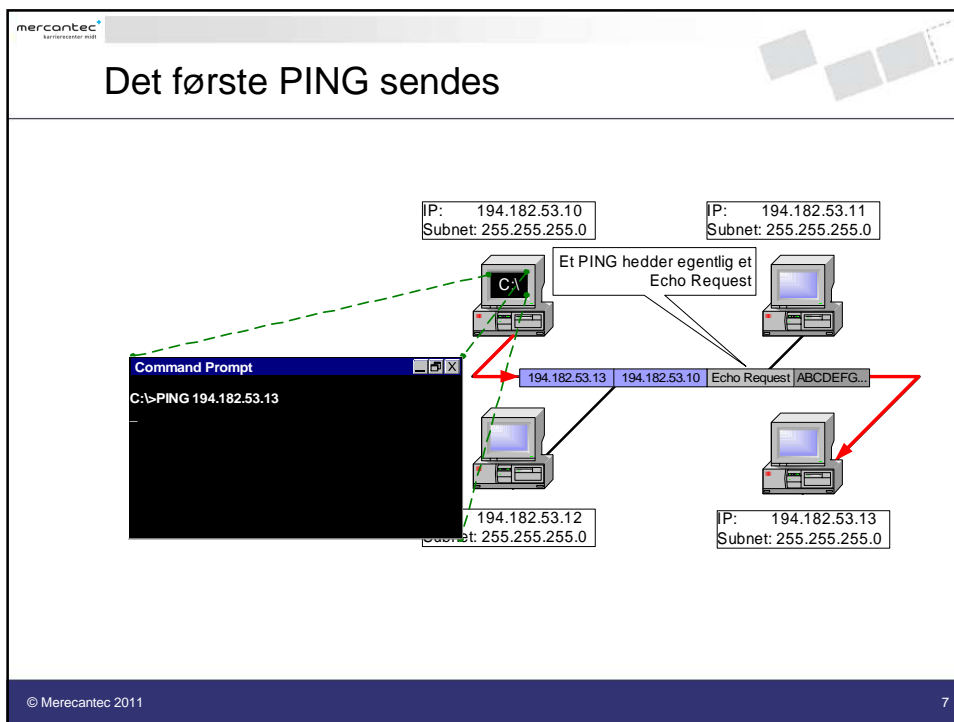
The diagram shows a network of four desktop computers connected in a ring topology. Each computer has a label with its IP address and subnet mask: 194.182.53.10, 194.182.53.11, 194.182.53.12, and 194.182.53.13, all on the 255.255.255.0 subnet. A Command Prompt window is open on the computer with IP 194.182.53.10, showing the prompt 'C:\>'. Dashed green lines connect the Command Prompt window to the computer icons.

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Ping kommandoen indtastes

The diagram is identical to the previous slide, showing the same network of four desktop computers. The Command Prompt window on the computer with IP 194.182.53.10 now shows the command 'C:\>PING 194.182.53.13' entered. Dashed green lines connect the Command Prompt window to the computer icons.

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Kunnsenteret med

Her sendes i alt 8 pakker

IP: 194.182.53.10
Subnet: 255.255.255.0

IP: 194.182.53.11
Subnet: 255.255.255.0

I alt 8 pakker sendes ialt.

```
Command Prompt
C:\>PING 194.182.53.13
Svar fra 194.182.53.13: byte=32 tid=31ms TTL=252
Svar fra 194.182.53.13: byte=32 tid=18ms TTL=252
Svar fra 194.182.53.13: byte=32 tid=25ms TTL=252
Svar fra 194.182.53.13: byte=32 tid=19ms TTL=252
....
C:\>
```

194.182.53.10 | 194.182.53.13 | Echo Reply | ABCDEF... |

IP: 194.182.53.12
Subnet: 255.255.255.0

IP: 194.182.53.13
Subnet: 255.255.255.0

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