



# Inleiding Windows 10



Windows Client



Inleiding tot Windows 10



Verschillende edities



Wat is nieuw?



Update & Support Cycle

# *Inleiding tot Windows 10*

- = Opvolger van Windows 8.1
- ➔ Codenaam = Windows Treshold
- ➔ Kritiek op privacy van gebruikers
- ➔ Gerichte verbeteringen t.o.v. zijn voorgangers



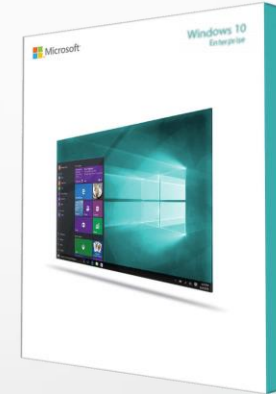
“Opgedrongen” aan gebruikers van Windows 7 en Windows 8

# *Verskillende edities*



## Home Edition

- Basiseditie voor thuisgebruikers



## Enterprise Edition

- Alle features van Windows Pro
- Enkel verkrijgbaar via Microsoft Partnerships



## Pro Edition

- Windows 7 Professional/Ultimate  
Windows 8/8.1 Pro
- Voor bedrijven en particulieren die meer functionaliteit willen



## Education Edition

- Specifiek voor studenten

# Verskillende edities



## Home Edition

- Geen zakelijke functionaliteiten



## N- en NK Edition

- Geen MediaPlayer of andere media features
- Geen Messenger (NK)



## Pro & Enterprise Edition

- Bevatten zakelijke functionaliteiten zoals domain join, Group Policies, Remote desktop, Direct Access, ...

## Verskil tussen Pro en Enterprise

Windows 10 Pro heeft geen App-V, Direct Access, Defender Threat Protection, ...

# Verschillende edities

FUTURE-PROOF

PEOPLE-CENTRIC

Features	Home	Pro	Enterprise	Education*	Mobile	Mobile Enterprise
Domain Join		✓	✓	✓	N/A <sup>1</sup>	N/A
Group Policy Management		✓	✓	✓	N/A	N/A
Enterprise Mode Internet Explorer (EMIE)		✓	✓	✓	N/A	N/A
Assigned Access		✓	✓	✓	✓	✓
Remote Desktop		✓	✓	✓	✓	✓
Client Hyper-V		✓	✓	✓	N/A	N/A
Direct Access			✓	✓	N/A	N/A
Windows To Go Creator			✓	✓	N/A	N/A
AppLocker			✓	✓	✓	✓
BranchCache			✓	✓	N/A	N/A
Start Screen Control with Group Policy			✓	✓	N/A	N/A

Features	Home	Pro	Enterprise	Education*	Mobile	Mobile Enterprise
Microsoft Passport <sup>14</sup>	✓	✓	✓	✓	✓	✓
Device Encryption <sup>15</sup>	✓	✓	✓	✓	✓	✓
Enterprise Data Protection <sup>8</sup>		✓	✓	✓	✓	✓
BitLocker <sup>3</sup>		✓	✓	✓	✓	✓
Credential Guard <sup>16</sup>			✓	✓		
Device Guard <sup>17</sup>			✓	✓	✓	✓
Trusted Boot		✓	✓	✓	✓	✓
Conditional access		✓	✓	✓	✓	✓

Features	Home	Pro	Enterprise	Education*	Mobile	Mobile Enterprise
Easy Upgrade from Home to Education Edition	✓	✓		✓		
Easy Upgrade from Pro to Enterprise Edition		✓	✓			
Easy upgrade from Mobile to Mobile Enterprise						✓
Side-loading of line of business apps	✓	✓	✓	✓	✓ <sup>9</sup>	✓ <sup>10</sup>
Mobile device management	✓	✓	✓	✓	✓	✓
Ability to join Azure Active Directory, with single sign-on to cloud-hosted apps <sup>11</sup>		✓	✓	✓	✓	✓
Add user state roaming with Azure Active Directory <sup>12</sup>		✓	✓	✓	✓	✓
Windows Store for Business <sup>13</sup>		✓	✓	✓	✓	✓
Advanced granular UX control			✓	✓	✓	✓
Dynamic Provisioning		✓	✓	✓	✓	✓

Features	Home	Pro	Enterprise	Education*	Mobile	Mobile Enterprise
Windows Update	✓	✓	✓	✓	✓	✓
Windows Update for Business		✓	✓	✓		✓
Current Branch for Business		✓	✓	✓		✓
Long Term Servicing Branch			✓			

# Verskillende edities

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Direct Access			✓	✓	N/A	N/A
Windows To Go Creator			✓	✓	N/A	N/A
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# Verskillende edities

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Easy Upgrade from Home to Education Edition	✓	✓		✓		
Easy Upgrade from Pro to Enterprise Edition		✓	✓			
Easy upgrade from Mobile to Mobile Enterprise						✓
Side-loading of line of business apps	✓	✓	✓	✓	✓ <sup>9</sup>	✓ <sup>10</sup>
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# Verskillende edities

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Windows Update	✓	✓	✓	✓	✓	✓
Windows Update for Business		✓	✓	✓		✓
Current Branch for Business		✓	✓	✓		✓
Long Term Servicing Branch			✓			

# Verschillende edities

- Er bestaat ook nog de S-Mode

- ➔ Windows 10 Home
- ➔ Windows 10 Pro
- ➔ Windows 10 Enterprise

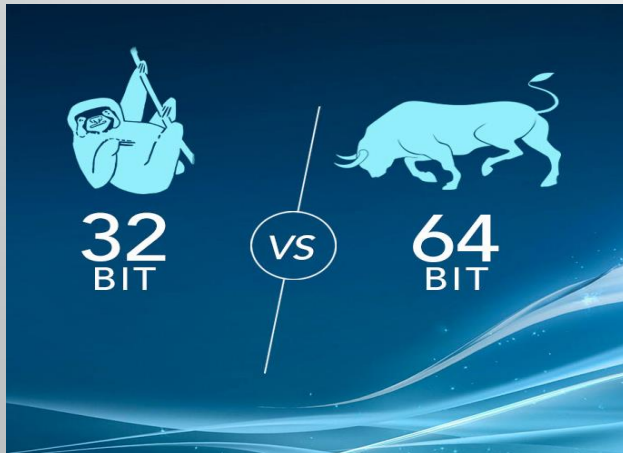
## Windows 10 'S' Mode

- = Secure Mode
- Deze mode is een gelimiteerde editie van Windows 10
  - Enkel apps van de Windows Store en internet via EDGE
- Uit S-mode gaan => werkt
- Naar S-mode teruggaan => lukt niet

Simplicity • Security • Speed

# Verskillende edities

32-bit of 64-bit?



- Sinds 2004 is 32-bit niet meer mogelijk in OEM
- ALTIJD kiezen voor 64-bit, tenzij niet anders kan
- Limitatie op :
  - ➔ RAM (max 4GB)
  - ➔ Security (bepaalde security features werken niet)
  - ➔ Client Hyper-V niet mogelijk
  - ➔ Prestaties

# *Nieuw in Windows 10*

- ✓ Verbeteringen t.o.v. deployment
  - ➔ Windows Image and Configuration Designer
- ✓ Cloud connection & synchronizing verbeterd
- ✓ Veiligheid
  - ➔ Windows Hello, **Secure boot**, Windows Defender verbeterd, MFA, **Bitlocker**
- ✓ Nieuwe features
  - ➔ Cortana, multidesktop
- ✓ Microsoft EDGE  
(project Spartan)

# Nieuw in Windows 10

## ✓ Windows as a Service

- ➔ Op elk platform Windows 10 (pc, tablet, phone, ...)
- ➔ Versionless Windows (= geen nieuwe Windows meer)
- ➔ Continu verbeterd d.m.v. updates
- ➔ Nieuwe features via updates geïnstalleerd
- ➔ Blijvend geüpdatet voor duur van device (halfjaarlijks !)



# Update & Support Cycle

- 2015 - 2018:



Windows 1607:

- ➔ Release: 29 juli 2016
- ➔ "Anniversary Update"
- ➔ Cortana voor België
- ➔ 'Linux bash' feature in Windows 10

# Update & Support Cycle

- 2015 - 2018:



Windows 1703:

- ➔ Release: 5 april 2017
- ➔ "Creators Update"
- ➔ PhotoViewer, Augmented Reality, integratie iPhone – Android, game-mode
- ➔ Night Light



# Update & Support Cycle

- 2015 - 2018:



Windows 1709:

- ➔ Release: 7 oktober 2017
- ➔ "Fall Creators Update"
- ➔ Snellere installatie updates + Update controle
- ➔ OneDrive files on demand
- ➔ Security improvements

# Update & Support Cycle

- 2015 - 2018:



## Windows 1803:

- ➔ Release: 10 april 2018
- ➔ Diagnostic Data Viewer
- ➔ Display and DPI Scaling
- ➔ HomeGroup gestopt ➔ Gebruik OneDrive !
- ➔ Verbeteringen Linux in Windows

# Update & Support Cycle

- 2015 - 2018:



## Windows 1809:

- ➔ Release: 6 oktober 2018  
(geannuleerd 9 oktober wegens veel klachten over verdwenen bestanden)
- ➔ Nieuwe rollout: 13 november 2018
- ➔ Clipboard History, Dark theme File Explorer
- ➔ Verdere integratie Linux Bash en Windows
  - ➔ Notepad kan zonder problemen Unix-created files openen
  - ➔ Open Linux shell

# Update & Support Cycle

- 2019 - 2022:

19H1

20H1

19H2

20H2

21H1

21H2

22H2

Windows 1903:

- ➔ Release: 21 mei 2019
- ➔ System updates "Pause function"
- ➔ Authenticatie van Microsoft account via SMS
- ➔ Nieuw "Light" theme (standaard in Home)
- ➔ Windows Sandbox (Hyper-V)

# Update & Support Cycle

- 2019 - 2022:

19H1

20H1

**19H2**

20H2

21H1

21H2

22H2

Windows 1909:

- ➔ Release: 21 november 2019
- ➔ Focus op prestatieverbeteringen en bugfixes
- ➔ Kleine aanpassingen aan Notificatiepaneel

# Update & Support Cycle

- 2019 - 2022:

19H1	20H1
19H2	20H2
21H1	
21H2	22H2

Windows 2004:

- ➔ Release: 27 mei 2020
- ➔ WSL2 (custom Linux kernel)
- ➔ Windows Hello zonder wachtwoord
- ➔ Reset Windows via cloud download
- ➔ Betere integratie Android phones

# Update & Support Cycle

- 2019 - 2022:

19H1

20H1

19H2

**20H2**

21H1

21H2

22H2

## Windows 20H2:

- ➔ Release: 20 oktober 2020
- ➔ Nieuwe Chromium-based "Edge" is de standaard
- ➔ Integratie "Alt" + "Tab"
- ➔ Verbeteringen MDM
- ➔ System (uit Control Panel) nu in Settings (About)

# Update & Support Cycle

- 2019 - 2022:

19H1

20H1

19H2

20H2

**21H1**

21H2

22H2

Windows 21H1:

- ➔ Release: 18 mei 2021
- ➔ Ondersteuning multi-camera voor Windows Hello
- ➔ "News and Interests"



# Update & Support Cycle

- 2019 - 2022:

19H1

20H1

19H2

20H2

21H1

**21H2**

22H2

Windows 21H2:

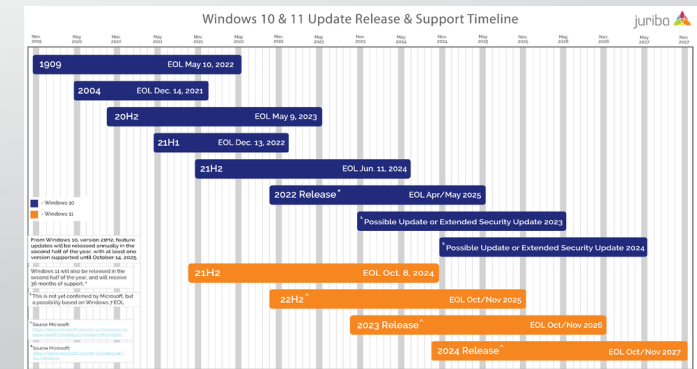
→ Release: 16 november 2021

→ Ondersteuning Wifi 6E

→ Ondersteuning WPA3

# Update & Support Cycle

- ➔ Microsoft ondersteunt zijn halfjaarlijkse/jaarlijkse updates maar voor een korte periode ( $\pm 2$  Jaar)
  - ➔ Sinds de zomer van 2022 enkel jaarlijkse updates
- ➔ Daarna upgraden om up-to-date te blijven



# Update & Support Cycle

