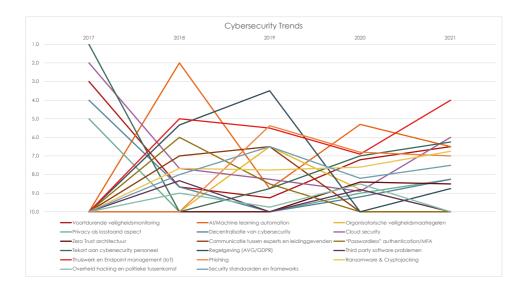
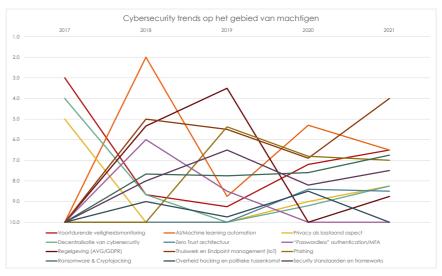
| Bron →   |      |      |      |      | Security Intelligence Forbes |      |      |      |      | TUV Süd/Rheinland |      |      | CSO Online |      |      |      |      |
|--|------|------|------|------|------------------------------|------|------|------|------|-------------------|------|------|------------|------|------|------|------|
| Trend ↓  | 2017 | 2018 | 2019 | 2020 | 2020                         | 2021 | 2018 | 2019 | 2020 | 2021              | 2019 | 2020 | 2021       | 2018 | 2019 | 2020 | 2021 |
| Brute force attacks -> Extended detection and response (XDR) solutions   |      |      |      |      |                              |      |      |      |      |                   |      |      |            |      |      |      |      |
| Continuous adaptive risk and trust assessment (CARTA)  | 3    | 10   | 7    | 1    | 10                           | 2    | 10   | 10   | 10   | 10                | 10   | 10   | 10         | 6    | 10   | 5    | 4    |
| AI/machine learning (ML), Deep fake attacks  | 10   | 4    | 10   | 2.5  | 3                            | 10   | 1    | 10   | 1    | 2                 | 7    | 10   | 10         | 1    | 8    | 10   | 4    |
| Enterprise-level chief security officers (CSOs)  | 1    |      |      |      |                              |      |      |      |      | - 1               |      |      |            |      |      |      |      |
| Security operations centers (SOCs)   | 10   | 10   | 2    | 4    | 10                           | 10   | 10   | 10   | 10   | 10                | 4    | 10   | 10         | 10   | 10   | 10   | 10   |
| Safety, reliability and privacy -> Privacy becoming its own thing<br>Decentralization  | 5    | 10   | 10   | 5    | 10                           | 10   | 10   | 10   | 10   | 10                | 10   | 10   | 10         | 10   | 10   | 10   | 3    |
| Cross-functional trust and safety teams  | 1    |      |      |      |                              |      |      |      |      | - 1               |      |      |            |      |      |      |      |
| Application and data security are led by development operations center   | 4    | 6    | 10   | 6    | 10                           | 10   | 10   | 10   | 10   | 3                 | 10   | 10   | 10         | 10   | 10   | 10   | 10   |
| Cloud security   | 2    | 3    | 6    | 7.5  | 10                           | 10   | 10   | 10   | 10   | 1                 | 8    | 10   | 3          | 10   | 9    | 7    | 10   |
| Zero-trust network access (ZTNA)   | 10   | 10   | 10   | 9    | 3                            | 10   | 10   | 10   | 10   | 10                | 10   | 10   | 10         | 10   | 10   | 10   | 4    |
| Leading SRM leaders are creating pragmatic risk appetite statements  |      |      |      |      |                              |      |      |      |      | - 1               |      |      |            |      |      |      |      |
| PROMOTING COMMUNICATION BETWEEN EXPERTS AND EXECUTIVES   | 10   | 1    | 1    | 10   | 10                           | 10   | 10   | 10   | 10   | 10                | 5    | 10   | 10         | 10   | 10   | 10   | 10   |
| "Passwordless" authentication/MFA  | 10   | 10   | 4    | 10   | 10                           | 10   | 3    | 10   | 10   | 10                | 10   | 10   | 10         | 5    | 10   | 10   | 10   |
| Shortage Security staff  | 1    | 10   | 5    | 10   | 1                            | 10   | 10   | 10   | 4    | 10                | 10   | 10   | 1          | 10   | 10   | 10   | 4    |
| Regulations (for example GDPR) Origin beats pricing  | 10   | 2    | 10   | 10   | 10                           | 10   | 10   | 2    | 10   | 10                | 1    | 10   | 5          | 4    | 1    | 10   | 10   |
| Third party supplier issues  | 10   | 5    | 10   | 10   | 10                           | 10   | 10   | 10   | 10   | 10                | 10   | 10   | 10         | 10   | 10   | 4    | 10   |
| Work-from-home Attacks -> Identity and access management (IAM) solutions, Location based acces<br>Managing Managed And Unmanaged Devices (Especially IoT)/Endpoint Security<br>-> unified endpoint management (UEM)/Endpoint detection response, |      |      |      |      |                              |      |      |      |      |                   |      |      |            |      |      |      |      |
| Tracking Shadow IT Inventory (Device security) Front Line Phishing -> Identity management  | 10   | 10   | 10   | 10   | 2.5                          | 1    | 2    | 4    | 10   | 4                 | 3    | 3    | 10         | 3    | 5    | 9    | 1    |
| Social engineering -> User Awareness   | 10   | 10   | 10   | 10   | 2                            | 4    | 10   | 2.5  | 10   | 10                | 2    | 10   | 4          | 10   | 7    | 2    | 10   |
| Ransomware & Cryptojacking   | 10   | 10   | 10   | 10   | 2                            | 10   | 10   | 10   | 10   | 5                 | 6    | 10   | 10         | 3    | 5    | 6    | 2    |
| Polictical Division leads to less cooperation and government hacking, Political interference   | 10   | 10   | 10   | 10   | 10                           | 10   | 10   | 10   | 2.5  | 10                | 9    | 10   | 10         | 7    | 10   | 10   | 10   |
| STANDARDS ARE THE BACKBONE OF SECURITY<br>Data security governance framework (DSGF)<br>Mining of personal data   |      |      |      |      |                              |      |      |      |      |                   |      |      |            |      |      |      |      |
| Ecryption  | 10   | 10   | 3    | 10   | 10                           | 10   | 4    | 10   | 10   | 10                | 10   | 1    | 6          | 10   | 3    | 10   | 4    |

|  | I    |             | menvattin | g    |      |
|--|------|-------------|-----------|------|------|
|  | 2017 | 2018        | 2019      | 2020 | 2021 |
| Voortdurende veiligheidsmonitoring             | 3.0  | 8.7         | 9.3       | 7.2  | 6.5  |
| Al/Machine learning automation                 | 10.0 | 2.0         | 8.8       | 5.3  | 6.5  |
| Organisatorische veiligheidsmaatregelen        | 10.0 | 10.0        | 6.5       | 8.8  | 10.0 |
| Privacy als losstaand aspect                   | 5.0  | 10.0        | 10.0      | 9.0  | 8.3  |
| Decentralisatie van cybersecurity              | 4.0  | 8.7         | 10.0      | 9.2  | 8.3  |
| Cloud security                                 | 2.0  | 7.7         | 8.3       | 8.9  | 6.0  |
| Zero Trust architectuur                        | 10.0 | 10.0        | 10.0      | 8.4  | 8.5  |
| Communicatie tussen experts en leidinggevenden | 10.0 | 7.0         | 6.5       | 10.0 | 10.0 |
| "Passwordless" authentication/MFA              | 10.0 | 6.0         | 8.5       | 10.0 | 10.0 |
| Tekort aan cybersecurity personeel             | 1.0  | 10.0<br>5.3 | 8.8       |      | 6.3  |
| Regelgeving (AVG/GDPR)                         | 10.0 | 5.3         | 3.5       | 10.0 | 8.8  |
| Third party software problemen                 | 10.0 | 8.3         | 10.0      | 8.8  | 10.0 |
| Thuiswerk en Endpoint management (IoT)         | 10.0 | 5.0         | 5.5       | 6.9  | 4.0  |
| Phishina                                       | 10.0 | 10.0        | 5.4       | 6.8  | 7.0  |
| Ransomware & Cryptojacking                     | 10.0 | 7.7         | 7.8       | 7.6  | 6.8  |
| Overheid hacking en politieke tussenkomst      | 10.0 | 9.0         | 9.8       | 8.5  | 10.0 |
| Security standaarden en frameworks             | 10.0 | 8.0         | 6.5       | 8.2  | 7.5  |





|   | Sam  | Samenvatting contextuele aspecten |      |      |      |  |  |  |  |  |  |
|---|------|-----------------------------------|------|------|------|--|--|--|--|--|--|
|   | 2017 | 2018                              | 2019 | 2020 | 2021 |  |  |  |  |  |  |
| Voortdurende veiligheidsmonitoring        | 3.0  | 8.7                               | 9.3  | 7.2  | 6.5  |  |  |  |  |  |  |
| Al/Machine learning automation            | 10.0 | 2.0                               | 8.8  | 5.3  | 6.5  |  |  |  |  |  |  |
| Privacy als losstaand aspect              | 5.0  | 10.0                              | 10.0 | 9.0  | 8.3  |  |  |  |  |  |  |
| Decentralisatie van cybersecurity         | 4.0  | 8.7                               | 10.0 | 9.2  | 8.3  |  |  |  |  |  |  |
| Zero Trust architectuur                   | 10.0 | 10.0                              | 10.0 | 8.4  | 8.5  |  |  |  |  |  |  |
| "Passwordless" authentication/MFA         | 10.0 | 6.0                               | 8.5  | 10.0 | 10.0 |  |  |  |  |  |  |
| Regelgeving (AVG/GDPR)                    | 10.0 | 5.3                               | 3.5  | 10.0 | 8.8  |  |  |  |  |  |  |
| Thuiswerk en Endpoint management (IoT)    | 10.0 | 5.0                               | 5.5  | 6.9  | 4.0  |  |  |  |  |  |  |
| Phishing                                  | 10.0 | 10.0                              | 5.4  | 6.8  | 7.0  |  |  |  |  |  |  |
| Ransomware & Cryptojacking                | 10.0 | 7.7                               | 7.8  | 7.6  | 6.8  |  |  |  |  |  |  |
| Overheid hacking en politieke tussenkomst | 10.0 | 9.0                               | 9.8  | 8.5  | 10.0 |  |  |  |  |  |  |
| Security standaarden en frameworks        | 10.0 | 8.0                               | 6.5  | 8.2  | 7.5  |  |  |  |  |  |  |