

# Liste de contrôle de sécurité Azure (Microsoft Cloud Security Benchmark v2)

Groupe Conseil GRD. Source officielle : Microsoft Learn, Microsoft cloud security benchmark v2 (preview), consulté le 29 octobre 2026 : <https://learn.microsoft.com/en-us/security/benchmark/azure/overview> . Microsoft indique que la v2 est en préversion et remplace la v1.

Mode d'emploi : pour chaque contrôle, cochez Conforme, Partiel ou Non conforme et notez la preuve (ex. recommandation Defender for Cloud, stratégie Azure Policy). Les identifiants et titres des contrôles sont repris tels que publiés par Microsoft, en anglais. Le détail de chaque contrôle (principe, mise en œuvre, Azure Policy) se trouve sur la page source du domaine.

Codes NIST CSF : la colonne reprend les codes « NIST CSF v2.0 » indiqués par Microsoft pour chaque contrôle (selon Microsoft). Note : plusieurs de ces codes (ex. PR.AC, PR.IP, PR.PT, DE.DP, RS.RP, ID.SC) ressemblent à des identifiants de la version 1.1 du CSF et n'existent pas dans le CSF 2.0 publié par le NIST le 26 février 2024. Microsoft précise aussi que ces correspondances n'équivalent pas à une conformité complète.

## 1. Sécurité réseau

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-network-security>

| Contrôle | Titre (Microsoft)                                                 | NIST CSF (selon Microsoft)   | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|-------------------------------------------------------------------|------------------------------|--------------------------|--------------------------|--------------------------|--------|
| NS-1     | Establish network segmentation boundaries                         | PR.IR-01, PR.AC-05           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-2     | Secure cloud native services with network controls                | PR.AC-05, PR.DS-05           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-3     | Deploy firewall at the edge of enterprise network                 | PR.AC-05, PR.PT-04, DE.CM-01 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-4     | Deploy intrusion detection/intrusion prevention systems (IDS/IPS) | DE.CM-01, DE.CM-04, DE.CM-07 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-5     | Deploy DDoS protection                                            | PR.PT-05, DE.CM-01           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-6     | Deploy web application firewall                                   | PR.AC-05, PR.PT-05, DE.CM-04 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-7     | Manage network security centrally and effectively                 | PR.IP-01, DE.CM-01, DE.CM-07 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-8     | Detect and disable insecure services and protocols                | PR.DS-02, PR.IP-01, DE.CM-04 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-9     | Connect on-premises or cloud network privately                    | PR.AC-05, PR.DS-02           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| NS-10    | Ensure Domain Name System (DNS) security                          | DE.CM-01, DE.CM-04, DE.AE-02 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 2. Gestion des identités

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-identity-management>

| Contrôle | Titre (Microsoft)                                               | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|-----------------------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| IM-1     | Centralize identity and authentication while ensuring isolation | PR.AA-1, PR.AC-1, PR.AC-7  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-2     | Protect identity and authentication systems                     | PR.AA-1, PR.AC-1, DE.CM-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-3     | Manage application identities securely and automatically        | PR.AA-1, PR.AC-1, PR.DS-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-4     | Authenticate server and services                                | PR.DS-2, PR.DS-5           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-5     | Use single sign-on (SSO) for application access                 | PR.AA-1, PR.AC-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-6     | Use strong authentication controls                              | PR.AA-1, PR.AC-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-7     | Restrict resource access based on conditions                    | PR.AC-1, PR.AC-4, PR.AA-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IM-8     | Restrict the exposure of credentials and secrets                | DE.CM-8, PR.DS-1, PR.AC-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 3. Accès privilégié

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-privileged-access>

| Contrôle | Titre (Microsoft)                                             | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|---------------------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| PA-1     | Separate and limit highly privileged/administrative users     | PR.AC-4, PR.AA-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PA-2     | Avoid standing access for user accounts and permissions       | PR.AC-4, PR.AA-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PA-3     | Manage lifecycle of identities and entitlements               | PR.AA-3, PR.AC-1, PR.AC-4  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PA-4     | Review and reconcile user access regularly                    | PR.AA-3, PR.AC-6, DE.CM-3  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PA-5     | Set up emergency access                                       | PR.IP-10, RS.CO-3, RS.RP-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PA-6     | Use privileged access solution                                | PR.AC-7, PR.PT-3, DE.CM-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PA-7     | Follow just enough administration (least privilege) principle | PR.AC-4, PR.AC-7, PR.AA-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

| Contrôle | Titre (Microsoft)                                   | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|-----------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| PA-8     | Determine access process for cloud provider support | PR.AC-4, PR.PT-2, DE.AE-3  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 4. Protection des données

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-data-protection>

| Contrôle | Titre (Microsoft)                                                        | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|--------------------------------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| DP-1     | Discover, classify, and label sensitive data                             | PR.DS-1, PR.DS-5           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-2     | Monitor anomalies and threats targeting sensitive data                   | DE.CM-1, PR.DS-5           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-3     | Encrypt sensitive data in transit                                        | PR.DS-2                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-4     | Enable data at rest encryption by default                                | PR.DS-1                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-5     | Use customer-managed key option in data at rest encryption when required | PR.DS-1, ID.AM-3           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-6     | Use a secure key management process                                      | PR.AC-1, PR.DS-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-7     | Use a secure certificate management process                              | PR.AC-1, ID.AM-3           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DP-8     | Ensure security of key and certificate repository                        | PR.AC-1, PR.DS-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 5. Gestion des actifs

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-asset-management>

| Contrôle | Titre (Microsoft)                                 | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|---------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| AM-1     | Track asset inventory and their risks             | ID.AM-1, ID.AM-2, ID.AM-4  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AM-2     | Use only approved services                        | ID.AM-3, PR.IP-1, PR.PT-3  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AM-3     | Ensure security of asset lifecycle management     | PR.IP-1, PR.IP-3, PR.MA-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AM-4     | Limit access to asset management                  | PR.AC-4, PR.AC-7, PR.PT-3  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AM-5     | Use only approved applications in virtual machine | PR.DS-6, PR.PT-2, DE.CM-4  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 6. Journalisation et détection des menaces

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-logging-threat-detection>

| Contrôle | Titre (Microsoft)                                          | NIST CSF (selon Microsoft)                                    | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|------------------------------------------------------------|---------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------|
| LT-1     | Enable threat detection capabilities                       | DE.CM-1, DE.CM-4, DE.CM-7                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| LT-2     | Enable threat detection for identity and access management | DE.CM-1, PR.AC-4, PR.IP-8                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| LT-3     | Enable logging for security investigation                  | DE.AE-3, DE.CM-1, DE.CM-6, PR.PT-1                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| LT-4     | Enable network logging for security investigation          | DE.AE-3, DE.CM-1, DE.CM-4, DE.CM-6, DE.CM-7                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| LT-5     | Centralize security log management and analysis            | DE.AE-2, DE.AE-3, DE.CM-1, DE.CM-4, DE.CM-6, DE.CM-7, RS.AN-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| LT-6     | Configure log storage retention                            | PR.PT-1, DE.CM-1                                              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| LT-7     | Use approved time synchronization sources                  | DE.CM-1, PR.PT-1                                              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 7. Réponse aux incidents

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-incident-response>

| Contrôle | Titre (Microsoft)                                                      | NIST CSF (selon Microsoft)                  | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|------------------------------------------------------------------------|---------------------------------------------|--------------------------|--------------------------|--------------------------|--------|
| IR-1     | Preparation - update incident response plan and handling process       | PR.IP-9, PR.IP-10, RS.CO-1                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IR-2     | Preparation - setup incident notification                              | RS.CO-1, RS.CO-2, RS.CO-3, RS.CO-4          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IR-3     | Detection and analysis - create incidents based on high-quality alerts | DE.CM-1, DE.CM-4, DE.CM-7, DE.AE-1, DE.AE-2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IR-4     | Detection and analysis - investigate an incident                       | DE.AE-2, DE.AE-3, RS.AN-1, RS.AN-2, RS.AN-3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IR-5     | Detection and analysis - prioritize incidents                          | DE.AE-1, RS.AN-1, RS.AN-5                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IR-6     | Containment, eradication and recovery - automate the incident handling | RS.RP-1, RS.MI-1, RS.MI-2, RS.MI-3          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| IR-7     | Post-incident activity - conduct lessons learned and retain evidence   | RS.RP-1, RS.IM-1, RS.IM-2                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 8. Gestion de la posture et des vulnérabilités

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-posture-vulnerability-management>

| Contrôle | Titre (Microsoft)                                                | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|------------------------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| PV-1     | Define and establish secure configurations                       | PR.IP-1, PR.DS-6           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PV-2     | Audit and enforce secure configurations                          | DE.CM-7, PR.IP-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PV-3     | Define and establish secure configurations for compute resources | PR.IP-1, PR.DS-6, PR.PT-3  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PV-4     | Audit and enforce secure configurations for compute resources    | DE.CM-7, DE.CM-8, PR.IP-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PV-5     | Perform vulnerability assessments                                | DE.CM-8, ID.RA-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PV-6     | Rapidly and automatically remediate vulnerabilities              | PR.IP-12, RS.MI-3          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| PV-7     | Conduct regular red team operations                              | DE.DP-4, ID.RA-10          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 9. Sécurité des points de terminaison

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-endpoint-security>

| Contrôle | Titre (Microsoft)                                       | NIST CSF (selon Microsoft)         | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|---------------------------------------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------|
| ES-1     | Use Endpoint Detection and Response (EDR)               | DE.CM-1, DE.CM-4, DE.CM-7, RS.AN-1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| ES-2     | Use modern anti-malware software                        | DE.CM-4, PR.DS-6                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| ES-3     | Ensure anti-malware software and signatures are updated | DE.CM-4, PR.IP-1                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 10. Sauvegarde et récupération

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-backup-recovery>

| Contrôle | Titre (Microsoft)                | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|----------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| BR-1     | Ensure regular automated backups | PR.IP-4, RC.RP-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| BR-2     | Protect backup and recovery data | PR.DS-1, PR.DS-5, PR.IP-4  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| BR-3     | Monitor backups                  | DE.AE-3, DE.CM-1, RS.AN-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| BR-4     | Regularly test backup            | PR.IP-9, RC.RP-1           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 11. Sécurité DevOps

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-devops-security>

| Contrôle | Titre (Microsoft)                                     | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|-------------------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| DS-1     | Conduct threat modeling                               | ID.RA-3, PR.IP-2           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DS-2     | Secure the software supply chain                      | ID.SC-2, ID.SC-4, DE.CM-8  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DS-3     | Secure the DevOps infrastructure                      | PR.AC-4, PR.DS-5, DE.CM-7  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DS-4     | Integrate Static Application Security Testing (SAST)  | PR.IP-2, DE.CM-4           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DS-5     | Integrate Dynamic Application Security Testing (DAST) | DE.CM-4, PR.IP-12          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DS-6     | Secure the workload lifecycle                         | PR.IP-1, PR.IP-3, DE.CM-8  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| DS-7     | Implement DevOps logging and monitoring               | DE.CM-1, DE.CM-7, RS.AN-1  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

## 12. Sécurité de l'intelligence artificielle

Source : <https://learn.microsoft.com/en-us/security/benchmark/azure/mcsb-v2-artificial-intelligence-security>

| Contrôle | Titre (Microsoft)                         | NIST CSF (selon Microsoft) | Conforme                 | Partiel                  | Non conforme             | Preuve |
|----------|-------------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------|
| AI-1     | Ensure use of approved models             | : ID.SC-04, GV.SC-06       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AI-2     | Implement multi-layered content filtering | : PR.DS-05, DE.CM-04       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AI-3     | Adopt safety meta-prompts                 | : PR.IP-03, PR.AT-01       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AI-4     | Apply least privilege for agent functions | : PR.AC-04, PR.PT-03       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AI-5     | Ensure human-in-the-loop                  | : PR.AC-07, DE.AE-02       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AI-6     | Establish monitoring and detection        | : DE.CM-01, DE.AE-03       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| AI-7     | Perform continuous AI Red Teaming         | : ID.RA-01, RS.AN-03       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

Besoin d'aide pour évaluer votre environnement Azure ? Demander une soumission : [info@grdinc.ca](mailto:info@grdinc.ca), 514 291-9003.