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🧠 Mastering Fabric Administration Cheat Sheet

Your quick-reference guide to managing and monitoring Microsoft Fabric at the tenant level

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🔐 Admin Roles & Tools

- **Global Admin** (Microsoft 365) – Full tenant control
- **Power Platform Admin** – Cross-service platform control
- **Fabric Admin** – Fabric-specific settings and monitoring

🛠 Tools:

- [Microsoft Fabric Admin Portal](#)
- [Microsoft 365 Admin Center](#)
- [Microsoft Entra Admin Center](#)
- PowerShell Modules: MicrosoftPowerBIMgmt, Microsoft.Fabric.Admin
- Fabric REST APIs: [API reference](#)

⚙️ Tenant Settings Best Practices

- Review and document settings regularly
- Use **security groups** for scoped access
- Delegate control where possible (Capacity/Workspace)
- Disable risky defaults like:
  - "Users can create Fabric items"
  - "Publish to web"

🔍 Helpful API: Get-PowerBITenantSetting
📄 Monitor changes: UpdatedAdminFeatureSwitch via Audit Logs

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👥 Users, Groups & Licensing

- **Licenses**: Free | Pro | Premium Per User (PPU)
- **Manage licenses** via M365 Admin Center or Entra ID
- Avoid surprise purchases:
  - ❌ Self-service license purchasing
  - ❌ Trial activation without admin control

👥 Tip: Use **dedicated security groups** for tenant setting exclusions.

🔒 Access Control & Security

- **Conditional Access** (Microsoft Entra ID)
  - Require MFA
  - Block risky sign-ins
  - Restrict by device or location
- **Private Link** (Fabric Preview)
  - Block access from public internet
  - Require private Azure network routing

✅ Compliance & Data Protection

- **Sensitivity Labels** – Classify and encrypt content
- **Information Protection Policies** – Enforce cross-service governance
- **DLP (Data Loss Prevention)** – Prevent data leaks
- **Data Residency** – Fabric honors geo-location (based on Azure region)
- **Sharing & Export Settings** – Disable as needed:
  - Export to Excel/CSV
  - Publish to Web
  - External sharing

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🔒 Access these in **Tenant Settings > Export and Sharing**

💫 Navigation & Usability Features

- **Tags** – Categorize and search content

- **Endorsements** – Mark datasets and reports as "Certified" or "Promoted"

- **Custom Branding** – Logo and theme in Admin Portal

- **Featured Content** – Spotlight key assets

- **"Get Help" Info** – Add internal documentation or support links

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📊 Monitoring & Audit

Built-in Monitoring Options

- Admin Monitoring Workspace (preview)

- Monitoring Hub

- Capacity Metrics

- Usage Metrics (per item & workspace)

Log & Audit Sources

- Microsoft 365 Audit Logs

- Fabric APIs (e.g. Scanner API)

- Power BI Activity Log via PowerShell

- Azure Log Analytics (custom setups)

📦 Third-Party Tools:

- Power BI Sentinel

- Argus BPI

- BI Samurai Control Room

🧪 Custom Solutions:

- PowerShell + Fabric APIs

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- Pipelines / Dataflows Gen2 / Notebooks

- Microsoft Fabric Unified Admin Monitoring (FUAM)

📚 Quick Links

- 🏠 Admin Portal: fabric.microsoft.com/admin-portal

- 📘 Learn Docs: learn.microsoft.com/fabric

- 💡 Best Practices: Fabric Implementation Planning

- 🛡️ Compliance Center: compliance.microsoft.com

- 🔐 Entra Portal: entra.microsoft.com