Ikram Mehmood

SAP BASIS Administrator | SAP Security & GRC | SAP Certified Security Administrator

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Professional Summary

Early-career SAP BASIS administrator working on the HEC HEDP SAP S/4HANA On-Premise landscape (DEV/QAS/PRD on SUSE Linux) since December 2025; the environment serves **80,000+ students** and **1,000+ faculty**. Hands-on with SAP HANA 2.0 installation (HDBLCM), backup and recovery, and HANA System Replication; SAP application installation with SWPM; SAP PO installation and updates (with my lead); SAProuter; STMS and SNOTE; and day-to-day production support. I started in SAP Security and GRC (Xplor Group, Mar 2024 – Feb 2025), so I also handle authorization troubleshooting alongside BASIS work. **SAP Certified – Security Administrator.** BS Software Engineering, CGPA 3.75/4.00.

Professional Experience

SAP BASIS Administrator (Official designation: MTO) Dec 2025 – Present

TallyMarks Consulting (TMC) | HEC HEDP Project | S/4HANA On-Premise, HANA 2.0, SLES *Islamabad*

- **HANA and system installation:** Installed SAP HANA 2.0 using HDBLCM and performed the HANA configuration. Installed the SAP application using SWPM, then did SAP-to-HANA database configuration and post-installation activities (some of them together with my lead).
- Configured HANA System Replication from the primary to the secondary system, and check replication status as part of regular HANA monitoring.
- Run HANA backups and recoveries in HANA Studio, including planned/test recoveries and real recovery situations. Monitor backup status, disk/data/log usage, alerts, services, database health, and performance/resource usage.
- **Production support:** Handle SAP BASIS incidents and service requests within the project SLAs. Resolve what is in BASIS scope and escalate to ABAP, other teams, or seniors with my findings. Perform SAP instance start/stop/restart, including planned and unplanned restarts.
- Monitor system health with SM21, SM50/SM66, AL08, ST04, and ST06; manage background jobs and spool (SM36, SM37, SP01); analyse ABAP short dumps in ST22 and pass the error details to the ABAP developer for the fix.
- Work with RZ10/RZ11 profile parameters and SLICENSE licences, and with STRUST, SECSTORE, SM59, STC01, and SCC4 for certificates, secure storage, RFC connections, and configuration tasks.
- On SLES: daily checks with `df -hT`, `top`, `free`; SAP/HANA start/stop with `sapcontrol`; permissions with `chmod`/`chown`.
- **Transports and SAP Notes:** Create and manage transports in DEV and move them through QAS to PRD in STMS; check transport errors and coordinate with the ABAP team when a code-side fix is needed, then move the corrected transport. Search, download, and implement SAP Notes in SNOTE, and release and move the related transports DEV → QAS → PRD.
- **SAP PO:** Installed SAP Process Orchestration DEV and QAS using SWPM and configured the required components. Worked on PO updates with my lead using SUM: added the system in Maintenance Planner, selected the Java components, prepared the update information, and downloaded the media with Download Manager.
- **SAProuter:** Registered SAProuter with SAP, configured saprouttab (my lead helped the first time; I have worked on it myself since), deployed the SAP-provided PSE/certificate (sapgenpse, seclogin, SECUDIR), tested connections, and troubleshot connectivity.
- **Security and authorizations:** For authorization incidents I check SU53, use STAUTHTRACE when needed, identify the missing authorization or values, maintain the role in PFCG, and assign the access. Also work with SU01, SU10, and SUIM. Some days bring 10+ such requests.
- **Fiori:** Activate and deactivate ICF services in SICF and troubleshoot Fiori/OData access issues. Exposure to Fiori catalogs, groups/spaces/pages, PFCG catalog mapping, and OData service administration (`/IWFND/MAINT_SERVICE`).

SAP Security & GRC Intern (Remote, Part-Time) Mar 2024 – Feb 2025

Xplor Group LLC | Travelstay247 environment (300+ users) *Remote*

- Mar–Aug 2024: structured SAP Security/GRC training. Sep 2024–Feb 2025: remote client work as an intern, under guidance. Wider GRC environment: 300+ users.
- Created and maintained users with SU01, ran mass user changes with SU10, and checked authorization default values with SU24.
- Maintained existing roles in PFCG, including derived and composite roles, created composite roles, and assigned roles to users.

- Investigated missing-authorization issues with SU53 and STAUTHTRACE, then maintained or assigned only the authorizations required instead of giving broad access.
- Used SAP GRC Access Control Access Risk Analysis (ARA) under guidance and worked with the SoD results; worked with existing ARM/MSMP access request workflows under supervision.
- Worked with an existing Firefighter (EAM) setup: assigned and changed Firefighter ID owners and controllers when required.

Education

Bachelor of Science in Software Engineering Sep 2021 – Aug 2025
Mirpur University of Science & Technology (MUST) *Mirpur, Azad Kashmir, Pakistan*

- **CGPA: 3.75/4.00** (completed 5 August 2025) Coursework: Information Security, Database Systems, Operating Systems, Data Science, Software Engineering Management

Certifications & Training

• **SAP Certified – Security Administrator** (SAP) – Issued Aug 2026, expires Aug 2027 – Verify on Credly
• **SAP Cloud Identity Services** – Record of Achievement (SAP Learning)
• SAP GRC Access Control: Access Request Workflows (SAP, Feb 2026); SAP Fiori Authorization Concept (SAP, Feb 2026) – participation certificates
• SAP S/4HANA Fiori Security (Udemy, Jun 2026); SAP Fiori – Configuring Fiori Environment and Security (Udemy, Jul 2026) – completion certificates
• Google Cybersecurity courses (Coursera, 2023): Foundations of Cybersecurity; Networks and Network Security; Manage Security Risks

Technical Skills

SAP BASIS (hands-on): SAP S/4HANA On-Premise (DEV/QAS/PRD), SWPM application installation, SAP PO installation, STMS, SNOTE, SLICENSE, RZ10/RZ11, SM21, SM50/SM66, AL08, ST04, ST06, SM36/SM37, SP01, ST22 (analysis and escalation), STRUST, SECSTORE, SM59, STC01, SCC4, SICF

SAP HANA 2.0: HDBLCM installation, configuration, HANA Studio backup and recovery, monitoring, HANA System Replication (primary to secondary)

Connectivity: SAProuter (registration, saprouttab, PSE/certificate deployment, testing), sapgenpse, seclogin, SECUDIR

With lead supervision: SUM, SAP Maintenance Planner, Download Manager (SAP PO updates); SAP post-installation activities

Linux: SUSE Linux Enterprise Server (SLES), `sapcontrol`, `chmod`/`chown`, `df`, `top`, `free`

SAP Security: SU01, SU10, SUIM, PFCG (single, derived, composite roles), SU24, SU53, STAUTHTRACE, authorization troubleshooting

SAP GRC Access Control (intern level, under guidance): Access Risk Analysis (ARA), ARM/MSMP workflows, Firefighter owner/controller assignment

Programming and tools: Python, Bash, SQL, Git, Flutter/Dart

Research Experience

Research Contributor Nov 2024 – Apr 2025
Huizhou University, Institute of Machine Learning and Data Intelligence (lab) *Remote*

- Contributed to the design and implementation of CLaST-Net, a hybrid CNN–ViT model reaching 99.4% accuracy on the BreaKHis breast cancer dataset; second author, paper under review at IEEE TMI.
- Co-authored a paper on EEG-based speaker extraction (+8 dB SNR improvement) and built a FastAPI prototype with under 80 ms inference latency.

Honors & Awards

• **Merit Scholarship for Academic Excellence** – Top 5 of program, MUST (2022)
• **Prime Minister's Laptop Scheme** – Merit-based selection for academic performance (2023)
• **AJK State Talent Scholarship** – Government of AJK, for maintaining above 80% marks (2023–2024)

Leadership & Student Activities

• **Treasurer, Computer Society** (IEEE MUST branch), helped organise MUSTCON events; **App Lead, GDSE**
• **Flutter workshop** – organised and taught a 6-day workshop to 30+ students and juniors