

Anlegen eines administrativen Datenbankbenutzers

Die beiden hier gezeigten Skripte ermöglichen es Ihnen, einen alternativen Administrationsbenutzer anzulegen, um den Benutzer **SYSTEM** sperren zu können. Es wird jeweils die Rolle **ZBASIS_ADMIN** und Datenbankbenutzer **DBADMIN** angelegt. Die Berechtigungen des Benutzers sind sehr umfangreich. Überprüfen Sie daher die Skripte und entfernen Sie nicht benötigte Berechtigungen. Ändern Sie jeweils am Ende der Skripte das Passwort. Auch Rollen- und Benutzernamen können über Suchen / Ersetzen geändert werden. Anstatt einen allgemeinen Benutzer **DBADMIN** zu erstellen, sollten Sie für jede Administrator*in einen eigenen Benutzer anlegen, dem Sie dann jeweils nur noch die Rolle **ZBASIS_ADMIN** zuweisen. Die Skripte führen Sie am besten als Datenbankbenutzer **SYSTEM** aus. Zur Ausführung verwenden Sie den SQL-Editor des HANA Cockpits, HANA Studios oder hdbsql.

Listing 1 führen Sie in der Systemdatenbank aus.

```
CREATE ROLE ZBASIS_ADMIN;

GRANT MONITORING TO ZBASIS_ADMIN;

GRANT MODELING TO ZBASIS_ADMIN;

GRANT CONTENT_ADMIN TO ZBASIS_ADMIN;

GRANT BACKUP ADMIN TO ZBASIS_ADMIN;

GRANT BACKUP OPERATOR TO ZBASIS_ADMIN;

GRANT CATALOG READ TO ZBASIS_ADMIN;

GRANT INIFILE ADMIN TO ZBASIS_ADMIN;

GRANT SERVICE ADMIN TO ZBASIS_ADMIN;

GRANT TRACE ADMIN TO ZBASIS_ADMIN;

GRANT RESOURCE ADMIN TO ZBASIS_ADMIN;

GRANT LICENSE ADMIN TO ZBASIS_ADMIN;

GRANT ADAPTER ADMIN TO ZBASIS_ADMIN;

GRANT AGENT ADMIN TO ZBASIS_ADMIN;

GRANT ALTER CLIENTSIDE ENCRYPTION KEYPAIR TO ZBASIS_ADMIN;

GRANT AUDIT ADMIN TO ZBASIS_ADMIN;

GRANT AUDIT OPERATOR TO ZBASIS_ADMIN;

GRANT AUDIT READ TO ZBASIS_ADMIN;

GRANT CERTIFICATE ADMIN TO ZBASIS_ADMIN;

GRANT CLIENT PARAMETER ADMIN TO ZBASIS_ADMIN;

GRANT CREATE CLIENTSIDE ENCRYPTION KEYPAIR TO ZBASIS_ADMIN;

GRANT CREATE SCHEMA TO ZBASIS_ADMIN;

GRANT CREATE STRUCTURED PRIVILEGE TO ZBASIS_ADMIN;

GRANT CREDENTIAL ADMIN TO ZBASIS_ADMIN;

GRANT DATA ADMIN TO ZBASIS_ADMIN;

GRANT DATABASE ADMIN TO ZBASIS_ADMIN;

GRANT DATABASE AUDIT ADMIN TO ZBASIS_ADMIN;

GRANT DATABASE BACKUP ADMIN TO ZBASIS_ADMIN;

GRANT DATABASE BACKUP OPERATOR TO ZBASIS_ADMIN;

GRANT DATABASE RECOVERY OPERATOR TO ZBASIS_ADMIN;
```

```

GRANT DATABASE START TO ZBASIS_ADMIN;
GRANT DATABASE STOP TO ZBASIS_ADMIN;
GRANT DEVELOPMENT TO ZBASIS_ADMIN;
GRANT DROP CLIENTSIDE ENCRYPTION KEYPAIR TO ZBASIS_ADMIN;
GRANT ENCRYPTION ROOT KEY ADMIN TO ZBASIS_ADMIN;
GRANT EXPORT TO ZBASIS_ADMIN;
GRANT EXTENDED STORAGE ADMIN TO ZBASIS_ADMIN;
GRANT IMPORT TO ZBASIS_ADMIN;
GRANT LDAP ADMIN TO ZBASIS_ADMIN;
GRANT LOG ADMIN TO ZBASIS_ADMIN;
GRANT MEMORY PROFILER ADMIN TO ZBASIS_ADMIN;
GRANT MONITOR ADMIN TO ZBASIS_ADMIN;
GRANT OPTIMIZER ADMIN TO ZBASIS_ADMIN;
GRANT RESOURCE ADMIN TO ZBASIS_ADMIN;
GRANT ROLE ADMIN TO ZBASIS_ADMIN;
GRANT SAVEPOINT ADMIN TO ZBASIS_ADMIN;
GRANT SCENARIO ADMIN TO ZBASIS_ADMIN;
GRANT SESSION ADMIN TO ZBASIS_ADMIN;
GRANT SSL ADMIN TO ZBASIS_ADMIN;
GRANT STRUCTUREDPRIVILEGE ADMIN TO ZBASIS_ADMIN;
GRANT SYSTEM REPLICATION ADMIN TO ZBASIS_ADMIN;
GRANT TABLE ADMIN TO ZBASIS_ADMIN;
GRANT TENANT ADMIN TO ZBASIS_ADMIN;
GRANT TRUST ADMIN TO ZBASIS_ADMIN;
GRANT USER ADMIN TO ZBASIS_ADMIN;
GRANT VERSION ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD ANALYZE ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD CAPTURE ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD REPLAY ADMIN TO ZBASIS_ADMIN;
GRANT SELECT, UPDATE, DELETE ON _SYS_XS.JOBS TO ZBASIS_ADMIN;
GRANT SELECT, UPDATE, DELETE ON _SYS_XS.JOB_SCHEDULES to ZBASIS_ADMIN;
GRANT SELECT ON SYS.FULL_SYSTEM_INFO_DUMPS TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_services TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_service_memory TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_service_statistics TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_heap_memory_reset TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA SYS_DATABASES TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA _SYS_SQL_ANALYZER TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT EXECUTE ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;

```

```

GRANT UPDATE ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT INSERT ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT DELETE ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT EXECUTE ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT UPDATE ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT INSERT ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT DELETE ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.FULL_SYSTEM_INFO_DUMPS TO ZBASIS_ADMIN;
GRANT SELECT ON SYS_DATABASES.FULL_SYSTEM_INFO_DUMPS TO ZBASIS_ADMIN;
GRANT EXECUTE ON SYS.FULL_SYSTEM_INFO_DUMP_CREATE TO ZBASIS_ADMIN;
GRANT EXECUTE ON SYS.FULL_SYSTEM_INFO_DUMP_RETRIEVE TO ZBASIS_ADMIN;
GRANT EXECUTE ON SYS.FULL_SYSTEM_INFO_DUMP_DELETE TO ZBASIS_ADMIN;
CREATE USER DBADMIN PASSWORD "<GeheimesPasswort>" NO FORCE_FIRST_PASSWORD_CHANGE;
ALTER USER DBADMIN DISABLE PASSWORD LIFETIME;
GRANT ZBASIS_ADMIN TO DBADMIN;

```

Listing 1: Anlage Rolle und Benutzer in Systemdatenbank

Listing 2 führen Sie in der Tenant-Datenbank von SAP S/4HANA aus. Für weitere Tenant-Datenbanken müssen Sie das Skript ggf. anpassen (Recht **ABAP_READ** fehlt z.B. in Nicht-ABAP-Systemen).

```

CREATE ROLE ZBASIS_ADMIN;
GRANT MONITORING TO ZBASIS_ADMIN;
GRANT MODELING TO ZBASIS_ADMIN;
GRANT CONTENT_ADMIN TO ZBASIS_ADMIN;
GRANT BACKUP ADMIN TO ZBASIS_ADMIN;
GRANT BACKUP OPERATOR TO ZBASIS_ADMIN;
GRANT CATALOG READ TO ZBASIS_ADMIN;
GRANT INIFILE ADMIN TO ZBASIS_ADMIN;
GRANT SERVICE ADMIN TO ZBASIS_ADMIN;
GRANT TRACE ADMIN TO ZBASIS_ADMIN;
GRANT RESOURCE ADMIN TO ZBASIS_ADMIN;
GRANT LICENSE ADMIN TO ZBASIS_ADMIN;
GRANT ADAPTER ADMIN TO ZBASIS_ADMIN;
GRANT AGENT ADMIN TO ZBASIS_ADMIN;
GRANT ALTER CLIENTSIDE ENCRYPTION KEYPAIR TO ZBASIS_ADMIN;
GRANT AUDIT ADMIN TO ZBASIS_ADMIN;
GRANT AUDIT OPERATOR TO ZBASIS_ADMIN;
GRANT AUDIT READ TO ZBASIS_ADMIN;
GRANT CERTIFICATE ADMIN TO ZBASIS_ADMIN;
GRANT CLIENT PARAMETER ADMIN TO ZBASIS_ADMIN;
GRANT CREATE CLIENTSIDE ENCRYPTION KEYPAIR TO ZBASIS_ADMIN;
GRANT CREATE SCHEMA TO ZBASIS_ADMIN;

```

```

GRANT CREATE STRUCTURED PRIVILEGE TO ZBASIS_ADMIN;
GRANT CREDENTIAL ADMIN TO ZBASIS_ADMIN;
GRANT DATA ADMIN TO ZBASIS_ADMIN;
GRANT DEVELOPMENT TO ZBASIS_ADMIN;
GRANT DROP CLIENTSIDE ENCRYPTION KEYPAIR TO ZBASIS_ADMIN;
GRANT ENCRYPTION ROOT KEY ADMIN TO ZBASIS_ADMIN;
GRANT EXPORT TO ZBASIS_ADMIN;
GRANT EXTENDED STORAGE ADMIN TO ZBASIS_ADMIN;
GRANT IMPORT TO ZBASIS_ADMIN;
GRANT LDAP ADMIN TO ZBASIS_ADMIN;
GRANT LOG ADMIN TO ZBASIS_ADMIN;
GRANT MEMORY PROFILER ADMIN TO ZBASIS_ADMIN;
GRANT MONITOR ADMIN TO ZBASIS_ADMIN;
GRANT OPTIMIZER ADMIN TO ZBASIS_ADMIN;
GRANT RESOURCE ADMIN TO ZBASIS_ADMIN;
GRANT ROLE ADMIN TO ZBASIS_ADMIN;
GRANT SAVEPOINT ADMIN TO ZBASIS_ADMIN;
GRANT SCENARIO ADMIN TO ZBASIS_ADMIN;
GRANT SESSION ADMIN TO ZBASIS_ADMIN;
GRANT SSL ADMIN TO ZBASIS_ADMIN;
GRANT STRUCTUREDPRIVILEGE ADMIN TO ZBASIS_ADMIN;
GRANT SYSTEM REPLICATION ADMIN TO ZBASIS_ADMIN;
GRANT TABLE ADMIN TO ZBASIS_ADMIN;
GRANT TENANT ADMIN TO ZBASIS_ADMIN;
GRANT TRUST ADMIN TO ZBASIS_ADMIN;
GRANT USER ADMIN TO ZBASIS_ADMIN;
GRANT VERSION ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD ANALYZE ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD CAPTURE ADMIN TO ZBASIS_ADMIN;
GRANT WORKLOAD REPLAY ADMIN TO ZBASIS_ADMIN;
GRANT SELECT, UPDATE, DELETE ON _SYS_XS.JOBS TO ZBASIS_ADMIN;
GRANT SELECT, UPDATE, DELETE ON _SYS_XS.JOB_SCHEDULES TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.FULL_SYSTEM_INFO_DUMPS TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_services TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_service_memory TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_service_statistics TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.m_heap_memory_reset TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA _SYS_SQL_ANALYZER TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT EXECUTE ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;

```

```

GRANT UPDATE ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT INSERT ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT DELETE ON SCHEMA _SYS_STATISTICS TO ZBASIS_ADMIN;
GRANT SELECT ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT EXECUTE ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT UPDATE ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT INSERT ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT DELETE ON SCHEMA _SYS_TELEMETRY TO ZBASIS_ADMIN;
GRANT SELECT ON SYS.FULL_SYSTEM_INFO_DUMPS TO ZBASIS_ADMIN;
GRANT EXECUTE ON SYS.FULL_SYSTEM_INFO_DUMP_CREATE TO ZBASIS_ADMIN;
GRANT EXECUTE ON SYS.FULL_SYSTEM_INFO_DUMP_RETRIEVE TO ZBASIS_ADMIN;
GRANT EXECUTE ON SYS.FULL_SYSTEM_INFO_DUMP_DELETE TO ZBASIS_ADMIN;
GRANT ABAP_READ TO ZBASIS_ADMIN;

CREATE USER DBADMIN PASSWORD "<GeheimesPasswort>" NO FORCE_FIRST_PASSWORD_CHANGE;
ALTER USER DBADMIN DISABLE PASSWORD LIFETIME;
GRANT ZBASIS_ADMIN TO DBADMIN;

```

Listing 2: Anlage Rolle und Benutzer in Tenant-Datenbank