# SAP BASIS – Complete Transaction Code Reference (with Description & Actions)

## 1■■ System Monitoring & Performance

| T-Code | Description | Action |
|---|---|---|
| SM50 | Process Overview | Check running work processes, cancel or trace them. |
| SM66 | Global Work Process Overview | Monitor all instances for stuck sessions. |
| ST02 | Tune Summary | Analyze memory and buffer usage. |
| ST03N | Workload Analysis | Monitor response time and performance trends. |
| SM21 | System Log | Check system-level errors, dumps, restarts. |
| ST22 | Short Dumps | Analyze ABAP dumps and their causes. |
| SM12 | Lock Entries | Display or delete stuck locks. |
| SM13 | Update Records | Check and reprocess failed updates. |
| SM37 | Job Monitoring | Check status/logs of background jobs. |
| ST06 | OS Monitoring | Check CPU, memory, and FS usage from SAP. |

## 2■■ User & Authorization Management

| T-Code | Description | Action |
|---|---|---|
| SU01 | User Maintenance | Create/change/delete users, assign roles. |
| SU10 | Mass User Maintenance | Update or lock multiple users. |
| SUIM | User Information System | Display users by role/authorization. |
| PFCG | Role Maintenance | Maintain composite/single roles. |
| SU53 | Authorization Check | Analyze failed authorization for user. |
| ST01 | System Trace | Trace authorization and RFC activities. |

## 3■■ Transport Management

| T-Code | Description | Action |
|---|---|---|
| STMS | Transport Management System | Manage import/export of transports. |
| SE09/SE10 | Transport Organizer | Display or release transport requests. |
| STMS_IMPORT | Import Queue | Import TRs into QA or PRD. |
| AL11 | Directory Browser | Check /usr/sap/trans for cofiles/data. |

## 4■■ Client Administration

| T-Code | Description | Action |
|---|---|---|

| SCC4 | Client Settings | Control modifiability and role of client. |
|---|---|---|
| SCCL | Local Client Copy | Copy client within same system. |
| SCC9 | Remote Client Copy | Copy client via RFC connection. |
| SCC8 | Client Export | Export client to transport directory. |
| SCC5 | Client Deletion | Delete unwanted clients safely. |

## 5■■ Profile & Parameter Admin

| T-Code | Description | Action |
|---|---|---|
| RZ10 | Maintain Profiles | Change parameters permanently. |
| RZ11 | Parameter Display | Check/change parameters temporarily. |
| RZ04 | Operation Modes | Define work process distribution. |
| SMLG | Logon Groups | Maintain logon load balancing groups. |

## 6■■ Kernel & Patch Management

| T-Code | Description | Action |
|---|---|---|
| SPAM | Support Package Manager | Apply SAP SPs. |
| SAINT | Add-On Installation | Install or update add-ons. |
| SNOTE | SAP Note Assistant | Implement SAP Notes. |
| SPAU | Adjustment | Adjust modified objects post-upgrade. |

## 7■■ Database Administration

| T-Code | Description | Action |
|---|---|---|
| DBACOCKPIT | Central DB Monitoring | Monitor DB growth, backups, logs. |
| DB02 | Tablespace Admin | Check tablespace utilization. |
| DB12 | Backup Logs | Check DB backup logs. |
| DB13 | DBA Planning | Schedule DB backups and checks. |

## 8■■ Spool & Print Management

| T-Code | Description | Action |
|---|---|---|
| SP01 | Display Spool Requests | Monitor spool request statuses. |
| SPAD | Spool Admin | Maintain printers and spool servers. |
| RSPO0041 | Spool Cleanup | Delete old spool requests. |
| SP12 | TemSe Admin | Monitor temporary spool storage. |

## 9■■ Logs & Traces

| T-Code | Description | Action |
|---|---|---|
| SM21 | System Log | Check system errors. |
| ST11 | Dev Trace Viewer | View dev_w*, dev_disp logs. |
| ST01 | System Trace | Record RFC/authorization issues. |
| ST05 | SQL Trace | Analyze SQL performance. |

## ■ RFC & Queue Monitoring

| T-Code | Description | Action |
|---|---|---|
| SM59 | RFC Destinations | Maintain and test RFCs. |
| SM58 | tRFC Monitor | Reprocess failed tRFCs. |
| SMQ1/SMQ2 | Queue Monitor | Monitor inbound/outbound queues. |
| SMQS/SMQR | Queue Scheduler | Maintain scheduler entries. |

## 1■■1■■ Security & Certificates

| T-Code | Description | Action |
|---|---|---|
| STRUST | Trust Manager | Maintain SSL & PSE certificates. |
| SNCCONFIG | SNC Config | Check SNC parameters. |
| SU01 → SNC Tab | User SNC Mapping | Assign SNC name for user. |

■ **Practical Tip:** *Use these T-codes for daily monitoring, system maintenance, performance tuning, client copy, and troubleshooting in real SAP Basis projects.*