Figure 16: Maintenance

The individual types of changes to the repository and the tools provided for making them are described in detail in the following. This lesson does not cover changes to the runtime environment.

> **Note:**
> Note that maintenance often requires downtime of the SAP system or parts of the system. This downtime must be coordinated between system administrators and the user departments – for example, neither end user jobs should be active in the system during this downtime, nor should data transfers from other systems take place.

Software Logistics

SAP provides the Change and Transport System (CTS) for software logistics (the transport of changes from the development system to a test system and then to a production system). You can use it to transport both ABAP and non-ABAP applications.

ABAP CTS checks and controls changes to Customizing and to repository data made using Implementation Guides (IMG) or the ABAP Workbench. It records changes in transport requests and transports them to downstream systems after they are released. These transports are logged so that it is easy to trace which changes were imported to which SAP systems. The main areas of the CTS are the *Transport Organizer* (transaction SE09) and the *Transport Management System* (transaction STMS).

SAP NetWeaver Development Infrastructure (NWDI) and other non-ABAP development environments (for developing SAP NetWeaver Portal content, for example) can be integrated with the CTS.