# 1 Cross-development basics

## 1.1 Host development system: requirements

This guide assumes the SDK is installed on a supported host, and bash is used as the default shell. The SDK was tested on RedHat Linux 4.1. While most other modern Linux host distributions, such as Ubuntu or Fedora Core 4, should work as well, there may be differences in the setup described in the following pages.

Certain software needs to be installed on the host: minicom or kermit for serial console, tftp server for obtaining a kernel binary over the network, NFS server for hosting the root file system. Usually it is a good idea to have a separate network for debugging and connect the host and target to that private network. The host and target setup is described in the following pages.

## 1.2 Introduction to the Cross-development