

Selecting an Embedded Operating System

Name Colin Walls

Abstract text Most modern embedded systems employ an operating system [OS] of some kind, and this necessitates some critical design decisions. Should you obtain a commercially available OS or develop one in-house. If the acquisition of a commercial OS is planned, how do you make the selection? This session reviews in detail all the facets of the make vs. buy and OS selection decisions - both technical and commercial - for an OS on an embedded design. Key points:

- Software architecture and OS
- Commercial OS advantages
- Commercial OS disadvantages
- Custom OS advantages
- Custom OS disadvantages
- OS selection criteria
- Multicore and OSES