
Embedded Linux System Worksheet

This is v1.0a of the *Embedded Linux System Worksheet* introduced in Karim Yaghmour's *Building Embedded Linux Systems* (O'Reilly).

License notice

This document, *Embedded Linux System Worksheet*, excerpted from Karim Yaghmour's *Building Embedded Linux Systems*, copyright © 2003 O'Reilly & Associates, Inc.

This document can be freely copied and redistributed so long as:

- This notice is preserved.
- The headers and footers of each page, listing author, book, publisher, and web site, are preserved and readily visible.

The document can be modified and redistributed so long as:

- This notice is preserved.
 - Redistributed versions include a notice saying the document is a modified version of this document and provide the original author, book, publisher, and web site.
 - Pages added to the document contain the same headers and footers as this page, identifying the original author, book, publisher, and web site.
 - The headers and footers of each page, listing author, book, publisher, and web site, are preserved and readily visible.
-

Embedded Linux System Worksheet

Project identification	
Name:	
Internal ID:	
Project leader:	
Start date:	
Expected completion date:	
Project description:	
Type of system:	Size:
Time constraints:	Degree of user interaction:
Are networking services offered or used?:	

Hardware summary					
Processor family:			Main contact:		
Processor model:					
Board type:					
Board model:					
RAM size:	Start addr:	End addr:			
ROM/Flash size:	Start addr:	End addr:			
ROM/Flash model:			Processor startup address:		
Disk storage type:		Disk storage size:			
<i>Peripherals</i>					
<i>Type</i>	<i>Model</i>	<i>Description</i>	<i>Mem location</i>		<i>ID</i>
			Start:		
			End:		
			Start:		
			End:		
			Start:		
			End:		

Development tools	
Host type:	Main contact:
binutils version: Special build flags: Patches / Changes: Patch location / Change description:	
gcc version: Special configuration flags: Patches / Changes: Patch location / Change description:	
glibc version: Special configuration flags: Patches / Changes: Patch location / Change description:	
uClibc version: Configuration summary: Patches / Changes: Patch location / Change description:	
diet libc version: Special build flags: Patches / Changes: Patch location / Change description:	
Editor / IDE:	
Terminal emulator:	
Notes:	

Kernel	
Version:	Main contact:
Download location:	
<i>Patches</i>	
<i>Description</i>	<i>Download location</i>
Configuration file location:	
Configuration summary:	
Kernel failure handler description:	

Root filesystem			
C library:		Main contact:	
C library components:			
<i>/dev device entries</i>			
<i>Name</i>	<i>Major nbr</i>	<i>Minor nbr</i>	<i>Used by</i>
<i>System applications</i>			
<i>Package</i>	<i>Version</i>	<i>Build config</i>	<i>Config file location</i>
<i>System initialization</i>			
<i>Service</i>	<i>Type of activation</i>		

Storage device organization				
Development setup:			Main contact:	
<i>Primary storage device content</i>				
<i>Component</i>	<i>Size</i>	<i>Location</i>	<i>Dependency</i>	<i>Format</i>
		Start:		
		End:		
		Start:		
		End:		
		Start:		
		End:		
		Start:		
		End:		
		Start:		
		End:		
<i>Secondary storage device content</i>				
<i>Component</i>	<i>Size</i>	<i>Location</i>	<i>Dependency</i>	<i>Format</i>
		Start:		
		End:		
		Start:		
		End:		
		Start:		
		End:		
		Start:		
		End:		
		Start:		
		End:		

Bootloader configuration and use	
Package:	Main contact:
Version:	
Build configuration:	
Setup procedure:	
<i>Boot options</i>	
<i>Option</i>	<i>Description</i>
Default boot option:	
Security:	

Networking services			
Main network service:			Main contact:
<i>Service</i>	<i>Package</i>	<i>Version</i>	<i>Configuration summary</i>

Custom project software
Main source repository:
Code maintainer:
Location in target root filesystem:
Binary size:
Data size:
Dependencies:
Initialization procedure:

Debug notes
Tools used:
Summary of major bugs found:
System's fragilities:

Additional notes