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This release notes gives information about CoreCommander BSP Development environment, Deliverables, supported IP cores and new features and enhancement.

## Development environment:

### Toolchain

- ❖ Nios2gcc from Nioswiki (GCC v3.4.6)

### **Host platform**

- ❖ OpenSuse 10.3
- ❖ Mandriva 2008
- ❖ RED Hat Fedora Core 7

### **Target board:**

- ❖ CoreCommander r1b

**Note:** However, Other similar host platforms are also supported, but they are not tested.

## Deliverables

### **1. Source (uClinux-2.1.1.1.tar.bz2)**

- ❖ uClinux-2.1.1.1
  - uClinux-dist.tar.bz2
    - nios2-linux
  - Bintools
  - System-files

### **2. Documents (doc.tar.bz2)**

- ❖ Docs
  - boot\_message.txt
  - Reference Manual (rm\_corecommander\_1.1.pdf)
  - Errata (corecommander\_bsp\_Errata\_1.1.pdf)
  - User Guide (ug\_uclinux\_corecommander\_bsp\_1.1.pdf)

### **3. Demonstrations (demo.tar.bz2)**

- ❖ Demo
  - ChatServer
  - Picview
  - Portinterface

### **4. Reference Design (ref\_design.tar.bz2)**

- ❖ Ref\_design
  - sls\_cc\_bsp\_hw\_v10.qar

## 5. Quick Reference (quick\_ref.tar.bz2)

- ❖ Quick\_ref
  - Prebuilt\_zImage

## 6. ReleaseNotes.pdf

## Supported IP Cores

- ❖ SLS Ethernet 10/100 MAC v2.0
- ❖ SLS SD Host Controller v2.4
- ❖ SLS USB2.0 Device IP Core (USB20HR) v2.3

## New Features and Enhancement

### Kernel:

- ❖ Upgraded kernel v2.6.28

### Drivers:

- ❖ Ethernet driver
- ❖ SD Host Controller driver (Object code only)
  - Converted to the SD Host Controller Driver
  - Added support for SLS SD Host Controller IP Core v2.4
- ❖ USB2.0 driver (Object code only)
  - Converted to platform Driver
  - Added support for SLS USB2.0 Device IP Core v2.3 (USB20HR – Avalon based solution)
- ❖ LCD Frame buffer driver
- ❖ Keypad driver

## Bug reporting

If you find any bug in the CoreCommander BSP, report to [support@slscorp.com](mailto:support@slscorp.com).