

Lab – Customizing BSP

1. Create a simple module in drivers/mfd with init/exit functions – enable compile it as module or static (tristate)
2. Create an ISR for interrupt 42

Notes:

- Use request_irq function to set the interrupt
 - Use ioremap to map the device registers on address 0x101e8000
 - To enable interrupt write 1 to interrupt mask register
 - To clear the interrupt flag write 1 to interrupt clear register
 - To test the interrupt set a value to match register
3. Add platform data to BSP/Driver to set the IO address and interrupt
 4. Implement a full char device with ioctl to set the values from user space