

# Deluge for T2

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# Status

- Work in progress
- Works on Tmote Sky/TelosB (for now)
- Supports only one image (for now)
- Image format is preserved
- TOSBoot is preserved (for now)

# Use

```
$ ./deluge.py /dev/ttyUSB0 -i apps/Blink/build/telosb/tos_image.xml
```

```
Pinging node ...
```

```
Connected to Deluge nodes.
```

```
-----  
Stored image
```

```
  No proper Deluge image found!
```

```
-----  
Ihex read complete:
```

```
  Total bytes = 24326
```

```
  Sections = 2
```

```
-----  
Replace image with:
```

```
  Prog Name:   BlinkAppC
```

```
  Compiled On: Thu Apr 26 14:34:52 2007
```

```
  Platform:   telosb
```

```
  User ID:    tinyos2
```

```
  Host Name:  bluephase
```

```
  User Hash:  0x587C9C16L
```

```
  Num Pages:  23/23
```

```
-----  
$ ./deluge.py /dev/ttyUSB0 -r
```

```
Command sent
```

```
$
```

# Differences

- Refactors Deluge into dissemination and reprogramming parts:
  - Deluge is the dissemination service
  - Reprog is the reprogramming service
  - TOSBoot is (still) the bootloader
- Support for volume-xxx.xml include directives.
- New TOS system-level interface for image access.
- Python tools instead of Java tools.

# Future Work

- TOSBoot for all the architectures
- Testing and documentation
- Integration in the T2 tree
- TEPs (BCP and Documentary)

**Thank you!**