

Bifrost

News and Plans

News

Bifrost 7.0 - released

- consolidation
- no major new features
- configure script modernized
- we're in good shape

News

New creatures in Bifrost 7

- 'devtag' for hotplug devices
- initramfs boot

Plans

Bifrost 7.0.1

- release imminent
- a few bugs fixed. Kernel security patch.

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Bifrost 7.1

- catch up with newer versions of some net utilities. iproute2, ethtool ..
- 3.3+ kernel
- consider changing fstype

Wishlist

- out-of-the-box container support for virtual guests.
- fool proof way of creating Bifrost media.
- DOM to mainline Linux
- perf built with uclibc

devtag

- Bifrost binaries patched for devtag

```
+#include <devtag.h>
```

```
-     file_name = optarg;
```

```
+     file_name = devtag_get(optarg);
```

- currently USB-devices only

- Example

```
> devtag -l
```

```
sys: sensor1 not found
```

```
sys: sensor2 -> ttyUSB0
```

```
> devtag -c jens idProduct="6001" serial="FTUOTG5M"
```

```
> devtag -l
```

```
user: jens -> ttyUSB0
```

Bifrost boot

The initramfs will:

1. lookup the partition labeled 'bifrost'.
2. perform fsck on this partition (if fs is of the ext-family).
3. mount the partition as the root filesystem.
4. mount /proc in the rootfs.
4. exec /sbin/init.

The initramfs init program understands:

- root, rootfstype, rootfslabel, rootdelay, init.