

ARM statt init?

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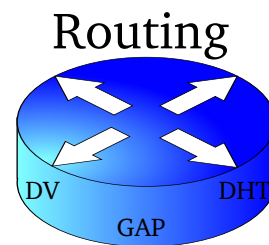
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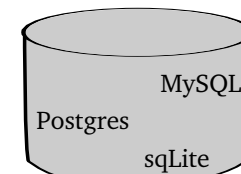
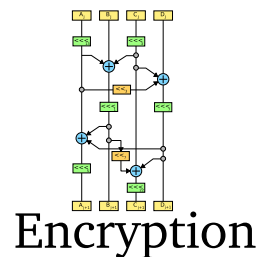


fsnsg

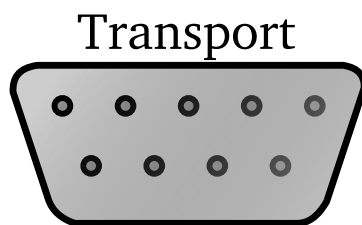
The GUNet Framework



Authoring



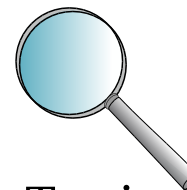
Datastore



TCP, UDP, HTTP, ...



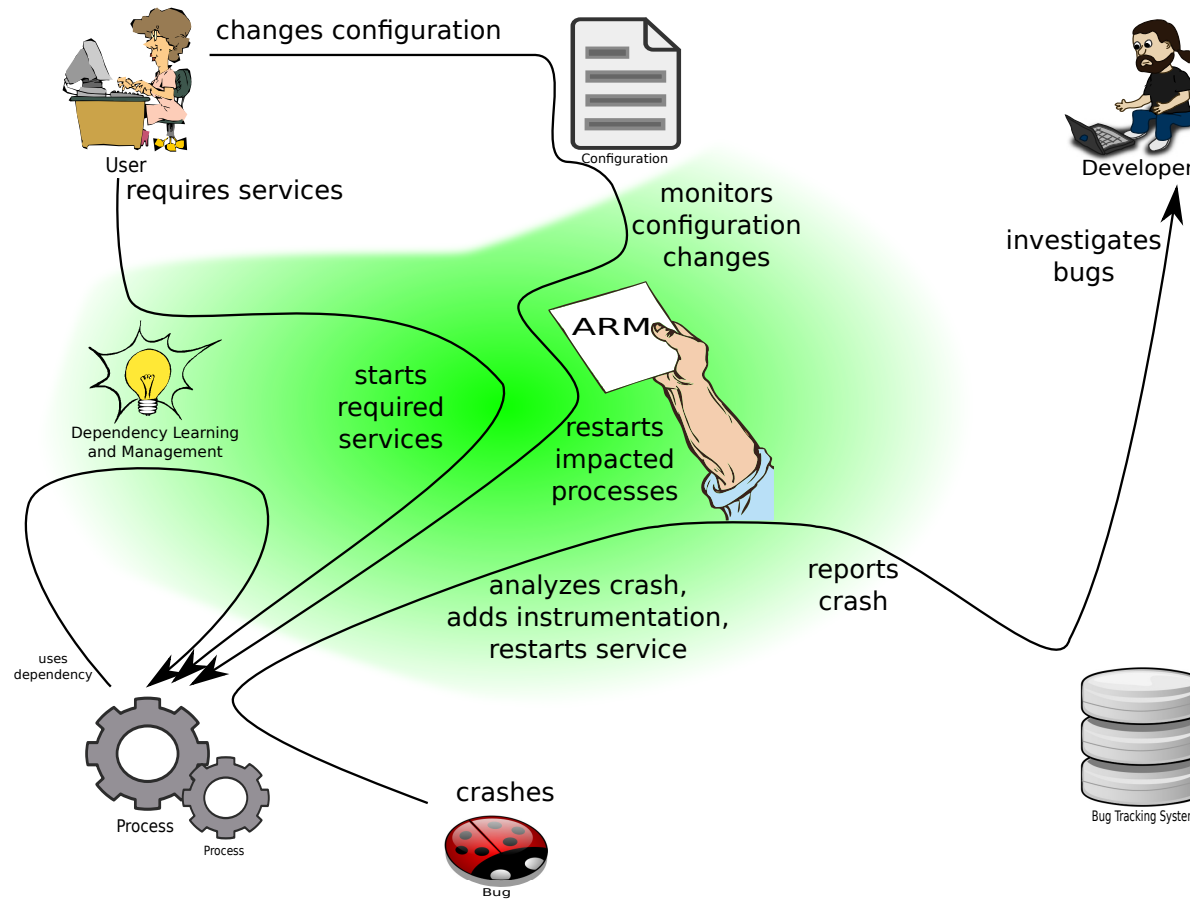
ARM



Testing

fsnsg

GNUnet's Automatic Restart Manager



GNUnet System Overview: Getting started

```
configure --prefix=$HOME  
make  
make install  
export GNUNET_PREFIX=$HOME  
export PATH=$HOME/bin  
make check  
mkdir .gnunet/  
touch .gnunet/gnunet.conf  
gnunet-arm -s
```

Configuration

- Defaults (`share/gnunet/defaults.conf`) are overridden by
- `/.gnunet/gnunet.conf` which can be changed using
- `-c FILENAME` command-line option

INI format

- One section for each controlled process
- One special section for `gnunet-arm`
- One special section for paths

Example

```
[foo]  
BINARY = foo-binary  
PORT = 2092  
HOSTNAME = localhost  
CONFIG = $DEFAULTCONFIG
```

fsnsg

Options

- PREFIX – prepended to command
- OPTIONS – appended to command

Fun uses for developers:

```
PREFIX = xterm -e valgrind
```

```
PREFIX = xterm -e gdb --args
```

fsnsg

gnunet-arm **options**

PORT which port gnunet-service-arm listens on

DEFAULTSERVICES applications to start initially

GLOBAL_PREFIX prefix to apply to all applications that do not specify **PREFIX**

The Future

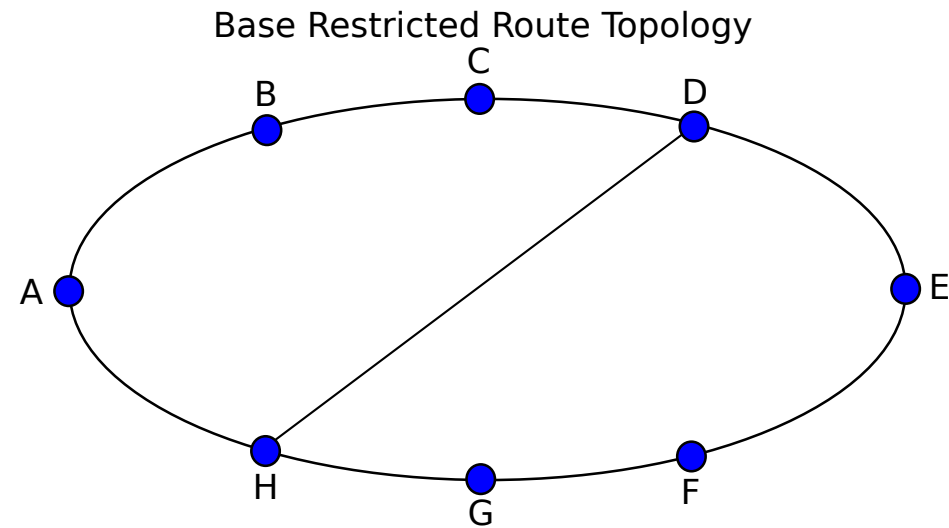
- Starting services on-demand
- Support for UNIX Domain Sockets
- Improved configuration change detection
- Automatic debugging (crash diagnostic)

Questions

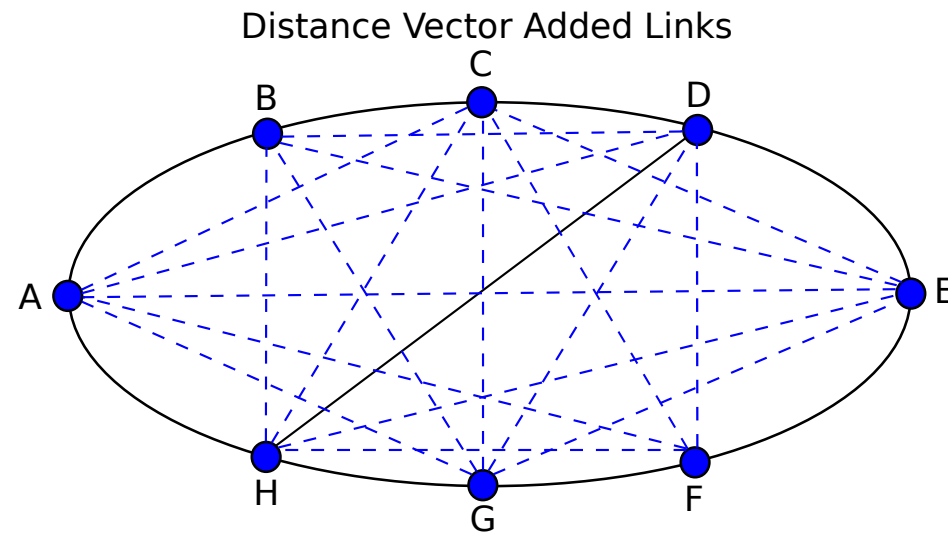


fsnsg

Secure Routing (1/3)



Secure Routing (2/3)



Secure Routing (3/3)

