



# Site management

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# What's needed ?

- LCFG core
  - LCFG core packages
  - LCFG headers
  - LCFG profile server (use vmplayer image)
  - all on LCFG DVD
  
- Fully managed (prescriptive) site
  - the above
  - RPM repository
  - LCFG package lists
  - LCFG installroot
  - snapshot on LCFG DVD

# A real site - [scobies.org.uk](http://scobies.org.uk)

- Tour around .....

# Site header structure

- `/var/lcfg/conf/server/include/{lcfg, domain}`
  - `defaults.h`
  - `os/`
  - `hw/`
  - `options/`
- `/var/lcfg/conf/server/packages/{lcfg, domain}`

# Initial bootstrap plan

- Install FC6 on a box
- Download and install vmplayer rpm
- Copy LCFG vmplayer image (from LCFG DVD) to the FC6 box
- Start LCFG vmplayer image
- In your LCFG vmplayer image
  - Create site header structure
  - Create simple profile for your FC6 box
- Install LCFG core RPMs (from LCFG DVD) on FC6 box
- Fetch profile from the LCFG vmplayer image - you need to know the IP of the vmplayer image - site dependent

# Fully managed site plan

- Create and populate RPM repository
  - structure
  - download
  - genhdfile to create RPM header files
  - apache config
- Syncing headers from [rsync.lcfg.org](http://rsync.lcfg.org)
- Syncing RPMs from [rsync.lcfg.org](http://rsync.lcfg.org)
- Turn your FC6 box into an LCFG server
- Burn installroot (on LCFG DVD) to CD or DVD
- Create full profile for target machine
- Create profile for `installbase-fc6`
- Install !

# Issues with big sites

- Coordinating changes
  - config files (headers and packages) distributed instantaneously via profile
  - schema and code distributed in RPMs - don't know when going to hit the server (schema) and target machines (code)
- Release Management
  - testing
  - scalability issues
  - three releases - develop, testing, stable
  - escape mechanism !
- Security
  - anybody with write access to profile can control machine