

## NIS on Solaris

This document outlines setting up your Solaris server as a NIS server. It should work for Solaris 2.6 onwards, where the NIS packages (SUNWyp..) are included on the Solaris CDs.

### **NIS master setup**

1. Install the SUNWyp and SUNWypu packages from the Solaris CD (in Solaris 8 these are on the Software 2 of 2 CD).
2. Set your domainname

```
domainname valhalla
domainname > /etc/defaultdomain
```

3. Now set up the files which will be used to create the NIS maps. Ideally you should copy these into a different directory and remove entries which shouldn't appear in NIS (e.g. root's passwd and shadow entries)

Here we will use /var/yp/etc as the new directory:

```
for file in passwd shadow auto_home auto_master bootparams ethers group \
    hosts ipnodes netgroup netmasks networks protocols rpc services
do
cp /etc/$file /var/yp/etc
done
```

If you get error messages that some of these files don't exist (netgroup, ipnodes), don't worry.

```
cd /var/yp/etc
vi passwd shadow and remove root and other system entries
```

4. Edit the NIS Makefile (/var/yp/Makefile) to reflect the new directory: change DIR (near line 16) and PWDIR (near line 30) to be /var/yp/etc

You may also want to enable the NIS server to do DNS lookups; if so, set B=-b (near line 14)

5. Now you are ready to run the NIS master setup:

```
ypinit -m (ypinit lives in /usr/sbin if it's not in your PATH already)
```

add the name(s) of the NIS server(s) when prompted, and select for it not to quit on non-fatal errors (it may report later that some maps or files do not exist)

6. Start NIS: add /usr/lib/netsvc/yp to root's PATH and run

```
ypstart
```

If there are no errors from ypstart you should now be able to run NIS commands:

```
ypwhich
ypcat hosts
```