

Scenario 6: IPBrick.I Master/Slave and AD integration

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1 Presentation

This scenario includes: IPBrick as business server acting as Master LDAP and Slave LDAP; IPBrick.I integration with a Microsoft Active Directory Server:

Material for Master/Slave scenario:

- 1 IPBrick.BS LDAP Master;
- 1 IPBrick.BS LDAP Slave;
- 1 Windows XP workstation;
- 1 switch;

Material for IPBrick.I with AD scenario:

- 1 Windows 2003 AD server;
- 1 IPBrick.I;
- 1 Windows XP workstation;
- 1 switch

2 Procedure

You must follow these steps in order to configure the scenarios:

2.1 IPBrick.BS Master/Slave LDAP

- Change the server name and the domain in IPBrick.BS Master to:

```
Name:      bs
Domain:    ipbrickspain.es
```

- Change the network definitions in IPBrick.I Master to:

```
IP (eth0): 192.168.100.1/24
Network:   192.168.100.0
Broadcast: 192.168.100.255
Gateway:   192.168.100.254 (eth0)
```

- Activate the domain server in IPBrick.I-Domain Server;
- Add two users in IPBrick.I-Users Management;
- Register the workstation in IPBrick.I-Machines Management;
- Add the workstation to the IPBrick.I domain and try to authenticate in the domain;
- Change the server name and the domain in IPBrick.BS Slave to:

```
Name:      bs2
Domain:    ipbrickspain.es
```

- Change the network definitions in IPBrick.BS Slave to:

```
IP (eth0): 192.168.100.2/24
Network:   192.168.100.0
Broadcast: 192.168.100.255
Gateway:   192.168.100.254 (eth0)
```

- In IPBrick.BS Master register the Slave machine: `Advanced Settings-IPBrick-Authentication-Slaves`;
- In IPBrick.BS Slave change the authentication mode to IPBrick Slave and insert the Master IP: `Advanced Settings-IPBrick-Authentication-Slaves`;
- Create a new user in IPBrick.BS Master indicating the Slave server IP the field relating the localization of the user account;
- From the workstation, confirm the success of the authentication of the two users acceding to: `\\server_name\username`;

2.2 IPBrick.I with Active Directory

- Create two users in Active Directory;
- Change the server name and the domain in IPBrick.I Master to:

```
Name:      server01
Domain:    ipbrick.com
```

- Change the network definitions in IPBrick.I Master to:

```
IP (eth0): 192.168.10.2/24
Network:   192.168.10.0
Broadcast: 192.168.10.255
Gateway:   192.168.10.254 (eth0)
```

- Change the DNS server (Name resolution) to `192.168.10.1` in `Advanced Settings`;
- Go to `Advanced Settings-IPBrick-Authentication` and change the authentication mode to `Member of an AD domain (Master IPBrick)`;
- Configure the fields according to AD LDAP definitions:

```
Services for UNIX version: v3.5
AD Server IP Address: 192.168.10.1
Netbios Domain: ipbrick
Realm: ipbrick.com
```

Domain Administrator: administrador
Password: 123
Retype Password: 123
Administrator DN: cn=administrador,cn=Users,dc=ipbrick,dc=com
Base DN: dc=ipbrick,dc=com
Users search base DN: dc=ipbrick,dc=com
Groups search base DN: dc=ipbrick,dc=com

- Press Modify and Update Settings;
- Go to menu IPBrick.I-Users Management and synchronize the users accounts to local areas;
- From the workstation, confirm the success of the authentication of the users acceding to: \\server01\username;