

1 What's finished yet?

- Real-world:
 - Register
 - Connect to gateway
 - Change game server to use
- Internal Services Machines:
 - File Server
 - View Logs
 - View Records
 - View Links
 - Console:
 - * Destroy computers
- Central Mainframes:
 - Elliptic curve cypher
 - Voice check
- International Banks:
 - About Us
 - Manage Existing Account
 - Create New Account:
 - * View Account Information
 - * View Statement
 - * Transfer Money
 - * Manage Loan
 - 100c-deduction every quarter if the player still has a positive loan
- 300c-deduction every hour for using of the MyLink-gateway
- Public Access Servers
- Voices (i.e. admins you call to get their voice)
- Global Criminal Database:
 - Add conviction
 - Authorize arrest
 - Clear history
- Academic Database:
 - Add qualification
 - Clear qualifications
- Social Security Database:
 - Date of birth
 - Marital status
 - Personal status
- Access Terminals
- Personal Computers
- New user:
 - Automatic database entry creation for:
 - * ADB
 - * GCD
 - * SOCSEC
- MyLink Internal Services Machines:
 - News:

- * ARREST (e.g. because of GCD manipulations)
- * ARRESTCC (because of getting passive traced)
- * BREAKATTEMPT
- * BROKENIN
- * DATALOSS
- * SYFILES
- * DOWN
- Missions
- Software Upgrades
- Hardware Upgrades:
 - * Install new hardware
 - * Remove previously installed hardware
- Gateway Upgrades
- InterNIC:
 - Browse
 - Admin
 - Other NICs exist, too
- Webservers (new concept)
- Virii (in this implementation a new concept)
- Other players (=network play):
 - File Server
 - View Records
 - View Wallet
 - Firewalls:
- * Level 1: Password necessary (crack via PWDBreaker)
- * Level 2: PWD necessary (crack via PWDBreaker), player gets informed
- * Level 3: PWD necessary (crack only via DictH4x0r), player gets informed
- Player's gateways can only be hacked if their players are logged in
- HUD:
 - Map (small, top right)
 - Map (big, you can select bounces)
 - Map show the status of a trace
 - Mails (recv + reply with attachments)
 - Status
 - Local memory bank
 - Run Prgs
 - Wallet (for storing of known username/password-combinations; *new* concept)
 - Connection analysis
- Software:
 - File_Deleter
 - File_Copier
 - Decrypter_v1 to Decrypter_v7

- | | | |
|---------------------|----|--------------------------|
| - Encrypter_v1 | to | - HUD_ConnectionAnalysis |
| Encrypter_v7 | | - Firewall_Disable |
| - Password_Breaker | | - Firewall_Bypass |
| - Dictionary_Hacker | | - Voice_Analyzer |
| - Trace_Tracker_v1 | | - Decypher |
| - Trace_Tracker_v2 | | - Record_Extor |
| - HUD_MapShowTrace | | - Record_Creator |
| - Log_Deleter_v1 | | - Firewall_v1 |
| - Log_Deleter_v2 | | - Firewall_v2 |
| - Log_UnDeleter | | - Firewall_v3 |
| - Log_Modifier | | - Server_Editor and |
| - Record_Extor | | Mission_Editor |
| - Record_Creator | | - AV_Kit_v1 |
| - IP_Lookup | | |

2 Requirements

MyLink needs the following Perl-modules installed:

- Frontier::Client,
- Frontier::Daemon, and
- Tk.

Installing of these modules is simple: Simple execute (as root):

```
perl -MCPAN -eshell
force install Frontier::Client
force install Frontier::Daemon
force install Tk
```

Or, even simpler, install the packets of your distribution.

3 Architecture

MyLink uses a XMLRPC-server (TCP-port 5003) as storage for the MyLink world, and a Tk-client as GUI.

Note: The whole database can be shown with

```
perl -MStorable -MData::Dumper -we 'print Dumper(lock_retrieve "databas
```

4 Datafiles

MyLinkd.pl stores the world in the file `database.db`. But, you may wonder, what are the files in the `data/`-subdirectory good for?

The files in `data/` are used to restore the original state of the `database.db` (e.g. without users). If you want to reset the `database.db`, you can use

```
perl -MFrontier::Client -MData::Dumper -we 'print Dumper (Frontier::Cli
```

Currently, the following server types are supported:

I:

Internal Services Machine

F:

File Server

U:

Public Access Server

C:

Central Mainframe

V:

Voice (e.g. admins can call to get their voice pattern)

B:

International Bank

N:

InterNIC

- M:**
Mission Server (e.g. Uplink Internal Services Machine)
- GCD:**
Global Criminal Database
- ADB:**
Academic Database
- SOCSEC:**
Social Security Database
- AT:**
Access Terminal
- PC:**
Personal Computer
- W:**
Webserver

Additionally, the missions are stored in `data/stdmissions/`.

5 Rules when creating new companies

- Each company has to have an own subnet (x.y.z.1-254).
- The names of each host of a company has to be Uplink-like (eg. Internal Services Machine, etc.).

6 Creating new hosts

Use the included server editor or edit the datafiles in `data/` directly.

The files' structure isn't very complex, they are perl sources which are `eval()`ed by `MyLinkd.pl` on receiving a `reset XMLRPC` request. Use the password `"getRandPWD"` if you want your hosts to have random passwords which automatically change after a break-in.