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Contents: [KOHA]

- [KOHA \(Koha SIP2 server\)](#)
  - ◆ [KOHA \(SIPconfig.xml\)](#)
  - ◆ [KOHA \(start server\)](#)
  - ◆ [KOHA \(Skripta za pokretanje\)](#)
  - ◆ [KOHA \(syslog\)](#)
  - ◆ [KOHA \(Analiza logova\)](#)
- [KOHA \(3M SIP emulator\)](#)
  - ◆ [KOHA \(Putty tunnel\)](#)
  - ◆ [KOHA \(Konfiguracija\)](#)
  - ◆ [KOHA \(Pokretanje pod wine-om\)](#)
- [KOHA \(KOHA lokalne promjene\)](#)
- [KOHA \(BUGS\)](#)
- [KOHA \(Nova implementacija\)](#)

## Koha SIP2 server

Koha koristi SIPServer implementaciju sa <https://github.com/atz/SIPServer>

### SIPconfig.xml

Dodati korisniÄ ke raÄ une **za svaki selfcheck jedan**

```
<accounts>
  <login id="sclkat" password="**password**" delimiter="|" error-detect="enabled" institutio
  ...
```

I instituciju

```
<institutions>
  <institution id="FFZG" implementation="ILS" parms="">
    <policy checkin="true" renewal="true" checkout="true"
      status_update="false" offline="false"
      timeout="100"
      retries="5" />
  </institution>
```

## start server

run from lib directory with

```
perl -IC4/SIP -MILS C4/SIP/SIPServer.pm /etc/koha/SIPconfig.xml
```

[http://bugs.koha.org/cgi-bin/bugzilla/show\\_bug.cgi?id=2362](http://bugs.koha.org/cgi-bin/bugzilla/show_bug.cgi?id=2362)

## Skripta za pokretanje

```
dpavlin@koha:/srv$ sudo ./sip2-server.sh start
```

## syslog

SIP server zapisuje transakcije u syslog sa local6 facility:

```
dpavlin@koha:/var/log$ grep LOG_SIP /usr/share/koha/lib/C4/SIP/SIPServer.pm
use constant LOG_SIP => "local6"; # Local alias for the logging facility
```

Da bi preusmjerili logiranje u poseban file treba dodati slijedeće u `/etc/syslog.conf`:

```
local6.*                -/var/log/sip2.log
```

## Analiza logova

Broj različitih SIP2 poruka u našoj implementaciji

```
dpavlin@klin:/srv/ps-trend$ grep MSG sip.*/* | cut -d: -f6 | cut -d\' -f2 | cut -c-2 | sort | uniq -c
 6614 09
 3234 10
 7526 11
 3763 12
 4778 35
 2389 36
 4784 63
 2392 64
  828 93
  414 94
 2875 98
 5750 99
```

- 09 Checkin
- 10 Checkin Response
  
- 11 Checkout

- 12 Checkout Response
- 35 End Patron Session
- 36 End Session Response
- 63 Patron Information
- 64 Patron Information Response
- 93 Login
- 94 Login Response
- 98 ACS Status
- 99 SC Status

## 3M SIP emulator

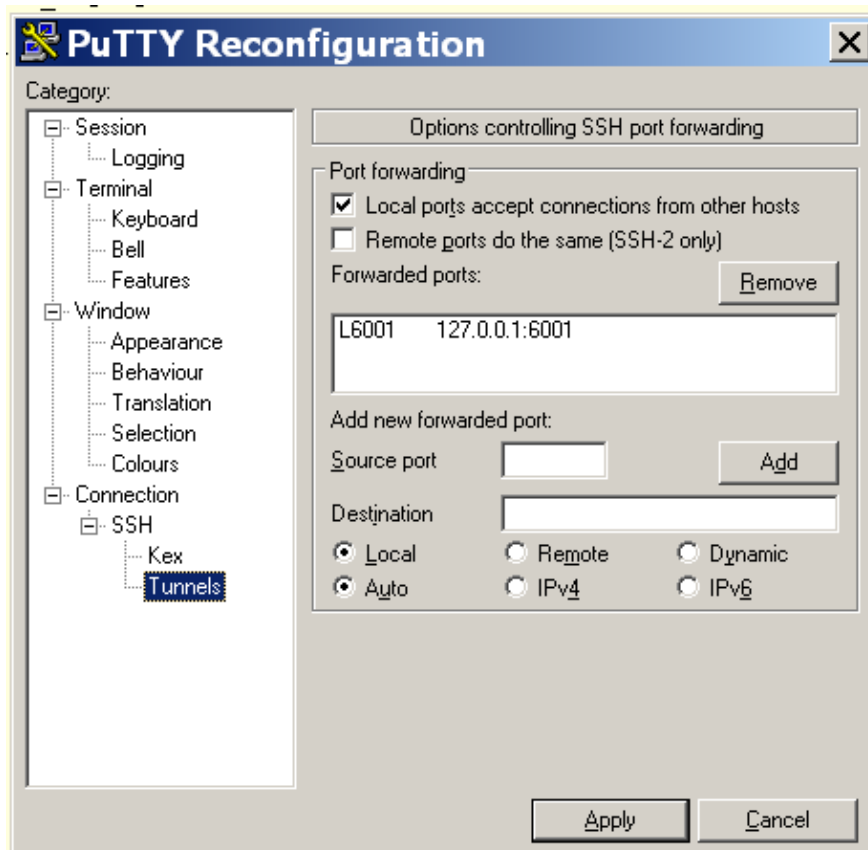
3M self check emulator kako iskonfigurirati

0d 00 ne radi

0d 0A radi

Popravak za taj problem sa [SIP2 server](#) strane

## Putty tunnel



# Konfiguracija

C:\Program Files\3M Library Systems\3M SIP2 Development Kit\SC\_Emulator

## Settings.sc

Jedina stvarno bitna promjena je:

```
[COM]
com_type = sockets

[TCP/IP]
ip_address = 127.0.0.1
host_name =
tcp_port = 6001
```

## Pokretanje pod wine-om

```
dpavlin@klin:/virtual/win$ sudo mount kvm-winxp.img /mnt/usb/ -o loop,offset=`expr 63 \* 512`,uid
dpavlin@klin:/virtual/win$ wine /mnt/usb/Program\ Files/3M\ Library\ Systems/3M\ SIP2\ Developmen
```

Skripta za pokretanje: SC\_Emulator.sh - provjerava da li je SIP server startan i povezuje se na njega

## KOHA lokalne promjene

u našem git-u

## BUGS

- #250: SIP2 output encoding
  - ◆ 01-PatInfo.scs
- #400: Selfcheck konfiguracija
- #408: sip2: issuingrules.finedays nedostaje

## Nova implementacija

<https://github.com/dpavlin/Biblio-SIP2>

Primjer korištenja:

```
dpavlin@klin:~/klin/Net-SIP2-Simple$ ACS=10.60.0.252:6001 ./sc-emulator.pl
```