Revised login procedure

7 March, 2019
Fujitsu

Login procedure requirements

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■ Must be a 2-step login

1. A user from any of the institutes authorized to access the IT container logs into the IT container's login server (161.72.87.1) using a credentials known to those institutes

2. Once in the login server, the user must login to the batchfarm's login servers (cp01/cp02) using his/hers own LDAP credentials
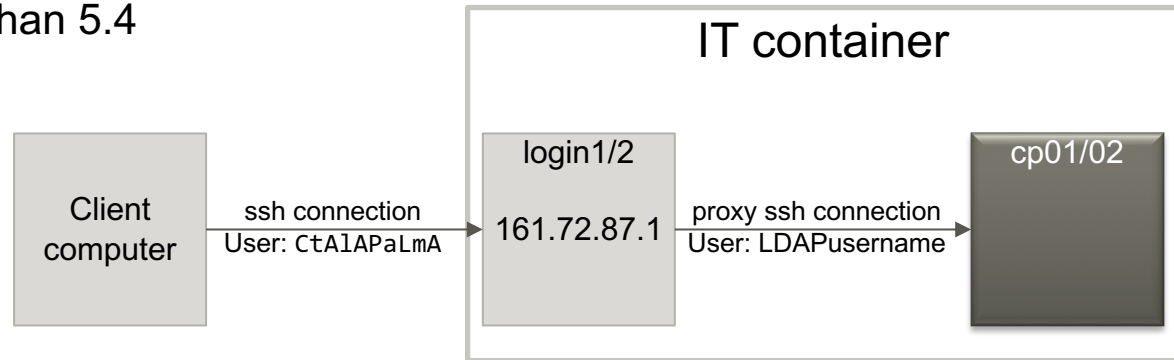
■ This 2-step login must be as simple as possible

■ Users prefer not issue any commands on the IT container's login server

Proposed solution: use ssh's ProxyCommand

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- **Requirement: ssh version later than 5.4**
  - cp servers have version 6.6
  - login1/2 servers were especially updated last year to version 7.4

```
                                    IT container
                                    ┌──────────────────────────────────────┐
┌────────────┐                      │ ┌──────────┐                          │
│            │  ssh connection      │ │ login1/2 │  proxy ssh connection    │ cp01/02
│   Client   │ ─────────────────────┼─│          │ ─────────────────────────┼─►
│  computer  │  User: CtAlAPaLmA    │ │161.72.87.1│ User: LDAPusername       │
│            │                      │ └──────────┘                          │
└────────────┘                      └──────────────────────────────────────┘
```

- **Configuration**
  - On the client computer:
    - Edit your `.ssh/config` and add the following lines

```
Host login
        User CtAlAPaLmA
        HostName 161.72.87.1

Host cp*
        User LDAPusername
        ProxyCommand ssh -W %h:%p login
```

    - Change the permission of this file:
      chmod 600 .ssh/config
  - On the remaining computers: no configuration required

- **How to login**
  - Execute the command below

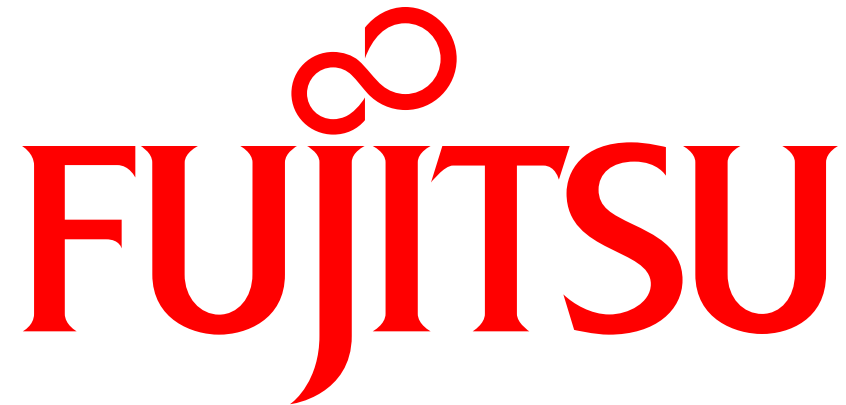```
$ ssh cp01
```

  or

```
$ ssh cp02
```

  - You will be prompted passwords

```
CtAlAPaLmA@aaa.bbb.ccc.ddd's password:
LDAPusername@10.200.100.1's password:
```

  The password prompts should be very clear wrt which password you should type

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