

# Administration

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# Connect data providers

Profuz LAPIS allows to connect local, network, FTP, Google Drive, Dropbox, S3 and many others storages

1. Open ~/apache-tomcat/production-cofig.json file in your favorite text editor
2. Add or edit the following entry in "providers" array:

```
{
  "storageId": 11,
  "className": "com.profuzdigital.data_server.database.providers.vfs.VfsDataProvider",
  "name": [ { "language": "en", "country": "US", "searchValue": "Storage Name" } ],
  "enabled": true,
  "authenticationDataProperties": {
    "public": ["domain", "username"],
    "sensitive": ["password"]
  },
  "indexPath": "data/vfs-blob-index",
  "uri": "file:///DATA/DATA/DATA/",
  "fileMonitorDelay": 3600000,
  "rootAuthentication": {
    "domain": null,
    "username": "guest",
    "password": ""
  },
  "defaultAuthentication": {
    "domain": null,
    "username": "guest",
    "password": ""
  }
}
```

Fields explanation:

- **storageId**: use unique number for each additional storage. Numbers below 7 are preserved by LAPIS
- **className**:

- for local file system (included system mapped folders), SAMBA, NAS, FTP, WebDav, S3 and similar file storages use  
"com.profuzdigital.data\_server.database.providers.vfs.VfsDataProvider"
- for YouTube use  
"com.profuzdigital.data\_server.database.providers.you\_tube.YouTubeDataProvider"
- **name:** in searchValue put the name you want to see in LAPIS UI. For example change "Starage Name" to "My External Storage"
- **enabled:** if true it will be connected, else if false it will be skipped
- **authenticationDataProperties:** describe authentication parameters. In the above example both domain and username must be used and password is case sensitive.
- **uri:** put the uri to access your connected storage.
  - for local file system: file:///path/to/the/folder
  - for ftp: ftp://ftp.example.com/optional/path/to/folder
  - for SAMBA: smb://serveraddress/path/to/the/folder
  - for S3: s3://server.example.com/path
  - for Dropbox: dropbox:///
  - for Google Drive: gdrive:///
- **fileMonitorDelay:** value in miliseconds to rescan remote file structure if needed
- **domain, username, password:** authentication parameters for the remote connection

Save and restart tomcat to apply the changes:

```
sudo systemctl restart tomcat.service
```

# SMTP Configuration

To configure SMTP server that LAPIS will use to send emails do the following:

- Open `~/apache-tomcat/production-cofig.json` file in your favorite text editor
- Add or edit the following property:

```
"smtp": {  
  "protocol": "TLS",  
  "host": "mail.example.com",  
  "port": 587,  
  "username": "youraccount@example.com",  
  "password": "you-passwors",  
  "sender": "no-reply@example.com"  
},
```

- **protocol**: can be one of the following: SMTP, SMTPS or TLS
- **host**: address of your SMTP server
- **port**: port used by your SMTP server
- **username**: username to use for authentication
- **password**: password to use for authentication
- **sender**: set the address you want to be set as sender to emails that system sends

Restart tomcat to apply the changes:

```
sudo systemctl restart tomcat.service
```

# Server Address

To configure the server address that LAPIS will use when generating links in the emails it sends do the following:

- Open `~/apache-tomcat/production-cofig.json` file in your favorite text editor
- Edit or add the following property:

```
"serverAddress": "http://localhost",
```

Change `"http://localhost"` with your LAPIS server address, for example `"https://lapis.example.com"`

Restart tomcat to apply the changes:

```
sudo systemctl restart tomcat.service
```