

## 2.1 Data Loader (dataloader)

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### Introduction

The Data Loader utility loads deployment-specific certificates, keystores, DNS entries, and Agent settings into a specified Direct Java RI Configuration Service.

The user is required to specify the target deployment domain and domain IPv4 address at runtime, as explained below.

### Command Line

The utility is invoked on the command line:

```
$ ./dataloader.sh --help
Usage:
dataloader [--help -d <name> --dip <address> -i <path> --wsh <name> --wspd <path> --wsp <num>]
--help                                Print help information.
-d (--domain) name                    Domain name to load data for.
--dip (--domainip) address            Domain IPv4 address to load data for.
-i (--in) path                        Path to the input directory or archive file from which to read
certificates/keys.
--wsh (--wshost) name                 Web service (config-service) host.
--wspd (--wspath) path                Web service (config-service) path.
--wsp (--wsport) num                 Web service (config-service) port number.
```

### Required Options

```
-d (--domain) name                    Domain name to load data for.
--dip (--domainip) address            Domain IPv4 address to load data for.
```

### Optional Options

```
-i (--in) path                        Path to the input directory or archive file from which to read
certificates/keys.
```

- The default value of the -i (--in) option is: <script path>/../out/datagen/<domain>-data.zip

```
--wsh (--wshost) name                 Web service (config-service) host.
```

- The default value of the --wsh (--wshost) option is: <domain name>

```
--wspd (--wspath) path                Web service (config-service) path.
```

- The default value of the --wspd (--wspath) option is: /config-service/ConfigurationService

```
--wsp (--wsport) num                 Web service (config-service) port number.
```

- The default value of the --wsp (--wsport) option is: 8081

### Example

```
$ ./dataloader.sh -d localhost --dip 127.0.0.1
Connected to data service (http://localhost:8081/config-service/ConfigurationService).
Loaded 27 entries into data service (http://localhost:8081/config-service/ConfigurationService).
Loaded 5 setting(s) into data service (http://localhost:8081/config-service/ConfigurationService).
Loaded 54 DNS record(s) into data service (http://localhost:8081/config-service/ConfigurationService).
```

### Deployment

- **Note:** The Data Loader utility always performs a minimum amount of changes.
  - It will only add new data entries if an identical entry does not already exist.
  - It will only modify existing data entries when/if they match the associated *key* (i.e. the domain name for a DNS A record) of a loading entry, but not its value.