

# ctys-multisite-install(7)

Receipt for the single and multi-site installation

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## 1 General

The installation of the UnifiedSessionsManager is either proceeded by utilization of **ctys-distribute** or by installation of standard installation packages - such as rpm - which utilize the ctys-distribute call for local adjustment of the installation context.

The standard tools utilize their specific distribution mechanisms, e.g. by the RHEL environment for automation of software-distribution and update management.

The second choice for the UnifiedSessionsManager offered by **ctys-distribute** is the simple distribution by usage of **scp** from the **OpenSSH** package. This provides for several target installation contexts, so for private user-land setups too. In the latter case just a remote copy of the local effective installation is setup, which avoids particularly the requirement for administrator permissions. For required system tools and the appropriate setup still some administrator permissions are required.

## 2 A short Receipt

### 2.1 Sequential Install - One Target-User

The **ctys-distribute** utility provides for multi-site installations by default, but by sequential procedure only, the following call uses on each target host the same account. The default account is the callers login.

```
[<install-dir>/bin/]ctys-distribute -P uhc -l userX targetA targetB ... targetN
```

### 2.2 Sequential Install - Multiple Target-Users

The **ctys-distribute** utility provides for multi-site installations by default, but by sequential procedure only, the following call uses various individual accounts for each target host.

```
[<install-dir>/bin/]ctys-distribute -P uhc userA@targetA userB@targetB ... userN@targetN
```

### 2.3 Parallel Install

This could be extended by a simple shell script for in-parallel execution:

```
for i in userA@targetA userB@targetB ... userN@targetN;do
  [<install-dir>/bin/]ctys-distribute -P uhc $i 2>&1 >/tmp/$i.out &
done
```

### 2.4 Parallel Install with Max-Tasks

The following script variant controls the actual maximum number of tasks performed in parallel:

```
#!/bin/bash

MAX=10;
n=0;
TARGETS="userA@targetA userB@targetB ... userN@targetN";

for i in ${TARGETS};do
```

```
if ((n<MAX));then
  [<install-dir>/bin/]ctys-distribute -P uhc $i 2>&1 >/tmp/$i.out &
  let n++;
else
  wait
fi
done
```

### 3 SEE ALSO

*ctys-distribute(1)* , *ctys-plugins(1)*  
*HowTo*

### 4 AUTHOR

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<<https://github.com/unifiedsessionsmanager>>



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