Token Conversion

Get the token conversion service with maker.service('conversion').

```
Copy constconversionService=maker.service('conversion');
```

The token conversion service offers functions to convert between Eth, Weth and Peth, handling allowances when necessary.

convertEthToWeth

```
Copy returnawaitconversionService.convertEthToWeth(ETH(10));
```

- Params: amount of Eth to convert
- Returns: promise (resolves to transactionObject once mined)
-

Note: this is the same as weth.deposit

convertEthToWeth deposits ETH into the WETH contract

convertWethToPeth

```
Copy returnawaitconversionService.convertWethToPeth(WETH(10));
```

- Params: amount of Weth to convert
- Returns: promise (resolves to transactionObject once mined)
-

convertWethToPeth joins WETH into PETH, first giving token allowance if necessary.

Note: this process is not atomic if a token allowance needs to be set, so it's possible for one of the transactions to succeed but not both. SeeDsProxy for executing multiple transactions atomically. Also,peth.join can be called instead if you do not want the allowance to be set first automatically.

convertEthToPeth

```
Copy returnawaitconversionService.convertEthToPeth(ETH(10));
```

- Params: amount of Eth to convert
- Returns: promise (resolves to transactionObject once mined)
-

convertEthToPeth awaits convertEthToWeth, then calls convertWethToPeth

Note: this process is not atomic, so it's possible for some of the transactions to succeed but not all. See Using DsProxy for executing multiple transactions atomically.

convertWethToEth

```
Copy returnawaitconversionService.convertconvertWethToEth(WETH(10));
```

- Params: amount of Weth to convert
- Returns: promise (resolves to transactionObject once mined)
-

convertWethToEth withdraws Eth from Weth contract

Note: this is the same as weth.withdraw

convertPethToWeth

```

Copy returnawaitconversionService.convertPethToWeth(PETH(10));

```

- Params: amount of Peth to convert
- Returns: promise (resolves to transactionObject once mined)
-

convertPethToWeth exits PETH into WETH, first giving token allowance if necessary

Note: this process is not atomic if a token allowance needs to be set, so it's possible for one of the transactions to succeed but not both. See Using DsProxy for executing multiple transactions atomically. Also, peth.exit can be called instead if you do not want the allowance to be set first automatically.

convertPethToEth

```

Copy returnawaitconversionService.convertPethToEth(PETH(10));

```

- Params: amount of Peth to convert
- Returns: promise (resolves to transactionObject once mined)
-

convertPethToEth awaits convertPethToWeth, then calls convertWethToEth

Note: this process is not atomic, so it's possible for some of the transactions to succeed but not all. See Using DsProxy for executing multiple transactions atomically.

Previous Tokens Next Exchange Service Last updated3 years ago On this page *convertEthToWeth * convertWethToPeth * convertEthToPeth * convertWethToEth * convertPethToWeth * convertPethToEth

Export as PDF