

GenerateKeyPair

This function creates a new public key and private key for encrypting data

Syntax

```
string, string generateKeyPair ( string algorithm, table options [, function callback ] )
```

Required Arguments

- **algorithm:** The algorithm to use:
 - *RSA*: use the RSA public-key algorithm
- **options:** table with options for the hashing algorithm, as detailed below.

Optional Arguments

- **callback:** providing a callback will run this function asynchronously, the arguments to the callback are the same as the returned values below.

Options for each hashing algorithm

- *RSA*:
 - *size* (int), default: 0 . Size of a key.

Returns

Returns 2 strings if successful: **private key** and **public key**. Otherwise returns **false**