

# hash\_hmac

WMMEGA FW >= 2.1030 WM2 FW >= 3.1130

Generate a keyed hash value using the HMAC method

## Description

```
string hash_hmac ( string $algorithm , string $data , string $key )
```

This can be used for cryptography or just for checksum calculations.

## Parameter

**\$algorithm**: Name of selected hashing algorithm. Current algorithms supported are:

Parameter	Algorithm	Return Size (characters)
md5	MD5	32
sha1	SHA-1	40
sha224	SHA-224	56
sha256	SHA-256	64
sha384	SHA-384	96
sha512	SHA-512	128

**\$data**: String of characters to calculate hash for

**\$key**: String of characters of key to be used in hash calculation

## Return Values

**String**: Hash result (as hexadecimal number) of **data**. **See above for expected length**

## Example

```
<?
// Get the parameters from the URL
$algo=$_GET['algorithm'];
$key=$_GET['key'];
$data=$_GET['data'];
```

```
// make sure parameters are passed properly
if (!$algo) {
    print("You need to specify an algorithm");
    die();
}
if (!$key) {
    print("You need to specify a key");
    die();
}
if (!$data) {
    print("You need to specify a data parameter");
    die();
}

// calculate the hash
$res = hash_hmac($algo,$data,$key);

// output the results
print("$algo." hash for key ".$key." and data ".$data." = ".$res);

?>
```

## See Also

[md5\(\)](#) - Calculate the MD5 hash of a **string**

[sha1\(\)](#) - Calculate the SHA-1 hash of a **string**

[md5\\_file\(\)](#) - Calculate the MD5 hash of a file

[aes\\_decrypt\(\)](#) - Decrypt a string using the AES algorithm

[aes\\_encrypt\(\)](#) - Encrypt a string using the AES algorithm

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