

Encrypt and Decrypt data with AES

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Encryption and decryption routines in PostgreSQL aes and ascii

Encrypt from text into byte array

```
SELECT encrypt('secret','pass1','aes');
```

Convert to ascii

```
SELECT encode(encrypt('secret','pass1','aes'),'base64');

      encode
-----
YJAGfjZ3NZliNc02TH+q+w==
```

Decode back

```
SELECT convert_from(decrypt(decode('YJAGfjZ3NZliNc02TH+q+w==','base64'),'pass1','aes'),'utf8');
```

In summary:

```
SELECT convert_from(decrypt(decode(
  (SELECT encode(encrypt('tosi salainen juttu','pass1','aes'),'base64')),
  'base64'),'pass1','aes'),
  'utf8');
```

By using Encrypt fuction func.henkilotunnus_to_pseudonym_aes

```
select * from func.henkilotunnus_to_pseudonym_aes(_henkilotunnus := 'secret',_crypt := TRUE,_salt
:= 'pass1') as pseudonym_aes;
```

By using decrypt function func.pseudonym_to_henkilotunnus_aes

```
select * from func.pseudonym_to_henkilotunnus_aes(_pseudonym := 'YJAGfjZ3NZliNc02TH+q+w==', _salt
:= 'pass1') as henkilotunnus;
```