

암호화 사용 가이드

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데이터사업2팀
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1. 현재 등록되어 있는 정책 확인

보안정책관리

ENCRYPT / 정책관리/기관리 / 보안정책관리

등록

수정

삭제

Show 10 entries

	↑↓	No	↑↓ 정책이름	↑↓ 보안정책설명	↑↓ 정책상태	↑↓ 등록자	↑↓ 등록일시	↑↓ 수정자	↑↓ 수정일시	↑↓
<input type="checkbox"/>		1	policy	policy	ACTIVE	기본관리자	2020-04-16 10:04:19			
<input type="checkbox"/>		2	tes	test	ACTIVE	기본관리자	2020-04-21 15:11:49			
<input type="checkbox"/>		3	test	test	ACTIVE	기본관리자	2020-04-21 14:47:44			

2. 함수확인

서버 명령어 : psql -U experdb -d experdb

접속 후 : \df

public		ecl_decrypt		func		text		text
public		ecl_encrypt		func		text		text
public		ecl_expdbix		func		text		text
public		ecl_expdbix_enc		func		text		text
public		ecl_expdbixl		func		text		text
public		ecl_expdbixl_enc		func		text		text
public		expdb_reset		func		text		
public		expdbdec		func		text		text, text
public		expdbenc		func		text		text, text
public		expdbix		func		text		text, text
public		expdbix_enc		func		text		text, text
public		expdbixl		func		text		text, text
public		expdbixl_enc		func		text		text, text
public		expdbstatus		func		text		
public		expdbversion		func		text		

3. 암호화 / 복호화 테스트

암호화

```
experdb=# select expdbenc('policy','12345678');
          expdbenc
-----
1pdqDxR0/zSHVLTv030Ka3U==
(1 row)

experdb=# select expdbenc('tes','12345678');
          expdbenc
-----
N3nbVjQ8iQJX3zfLrbXQdU==
(1 row)

experdb=# select expdbenc('test','12345678');
          expdbenc
-----
NFpUygbAjdoErIQInjIqU+==
(1 row)
```

복호화

```
experdb=# select expdbdec('policy','1pdqDxR0/zSHVLTv030Ka3U==');
          expdbdec
-----
12345678
(1 row)

experdb=# select expdbdec('tes','N3nbVjQ8iQJX3zfLrbXQdU==');
          expdbdec
-----
12345678
(1 row)

experdb=# select expdbdec('test','NFpUygbAjdoErIQInjIqU+==');
          expdbdec
-----
12345678
(1 row)
```

4. 실제 테이블에서의 암호화 확인

Connect to database

DB 연결 설정

PostgreSQL connection settings

PostgreSQL

Main

PostgreSQL

Driver properties

SSH

Proxy

SSL

Server

Host: 192.168.56.241Port: 5432

Database: experdb

Authentication

Authentication: Database Native

Username: experdb

Password: ●●●●●● experdb☒ Save password locally

Advanced

Local Client: PostgreSQL Binaries

① You can use variables in connection properties

Driver name: PostgreSQL

Test Connection ...

< 이전

```
select expdbenc('poli
select * from test02;
select expdbenc('poli
```

The screenshot shows a SQL IDE interface. The query editor contains three SQL statements:

```
select expdbenc('policy','12345678');

select * from test02;

select expdbenc('policy',col1) from test02
```

The results pane shows a table with one column 'expdbenc' and one row with the value '1'.

End of Documentation

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