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简介

本文描述如何配置身份服务引擎(ISE)使用开放数据库连接(ODBC)，用ISE验证的PostgreSQL服务器。

注意：开放数据库连接(ODBC)验证要求ISE能拿来纯文本用户密码。密码在数据库加密，但是必须由存储过程解密。

先决条件

要求

Cisco 建议您了解以下主题：

- 思科身份服务引擎2.1
- 数据库和ODBC概念
- PostgreSQL

使用的组件

本文档中的信息基于以下软件和硬件版本：

- 身份服务引擎2.1
- Centos 7
- PostgreSQL 9.2

配置

注意：款待在本文的SQL代码为例。通常有超过一种方式编码希望的功能和所有有他们的优点和缺点。

步骤1. PostgreSQL基本配置

配置步骤包括数据库建立和一个用户ISE的与权限访问该数据库。

1. 从postgres用户请创建isedb用户：

2. 创建数据库

或者与SQL：

3. 对PostgreSQL的允许

在文件的底部附近查找线路看上去象的这个，：

然后请用md5替换ident，因此他们如下所示：

4. 允许对PgSQL的远程连接

您需要打开PostgreSQL配置文件/var/lib/pgsql/data/postgresql.conf。读的查找配置行：

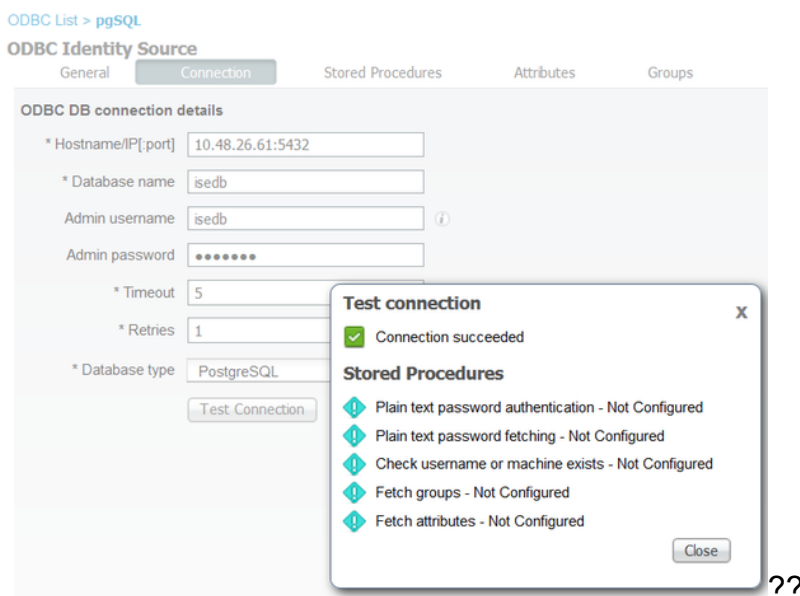
并且更改

允许从所有地址的连接。注释删除端口配置线路(如果评论)：

5. 重新启动PgSQL：

步骤2. ISE配置

创建ODBC标识来源在Administration >外部标识来源> ODBC和测试连接：



步骤3.配置用户认证

对ODBC用途存储过程的ISE验证。选择步骤的类型是可能的。在本例中我们使用参数作为返回。对于其他步骤，参考[思科身份服务引擎2.1管理指南](#)

提示：返回指定参数而不是resultset是可能的。它是不同种输出，功能是相同的。

1. 创建表。确保您设在主键的标识设置
 2. 运行此查询插入一个用户
- 或者
- 并且请学习并且存储一个新用户的生成的UUID有此查询的
3. 创建纯文本密码验证的一个步骤(用于PAP， EAP-GTC内在方法， TACACS)
 4. 创建纯文本密码拿来的一个步骤(用于CHAP， MSCHAPv1/v2， EAP-MD5， LEAP， EAP-MSCHAPv2内在方法， TACACS)
 5. 创建检查用户名的一个步骤或计算机存在(使用MAB， 快速请重新连接PEAP、EAP-FAST和EAP-TTLS)
 6. 配置在ISE的步骤并且保存

[ODBC List > pgSQL](#)

ODBC Identity Source

General	Connection	Stored Procedures	Attributes	Groups
Stored procedure type <input type="text" value="Returns parameters"/>				
Plain text password authentication	<input type="text" value="iseauthuserplainreturnsparemeters"/>			
Plain text password fetching	<input type="text" value="isefetchpasswordreturnsparemeters"/>			
Check username or machine exists	<input type="text" value="iseuserlookupreturnsparemeters"/>			
Fetch groups	<input type="text"/>			
Fetch attributes	<input type="text"/>			
Search for MAC Address in format	<input type="text" value="XX:XX:XX:XX:XX:XX"/>			

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7. 创建简单验证规则使用ODBC并且测试它

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步骤4.配置组搜索

2. 添加组和映射，因此user1属于两组

或者请生成新的UUID，然而您将需要学习他们与挑选查询。

3. 创建回归类型和组检索步骤

4. 映射它拿来组

[ODBC List > pgSQL](#)

ODBC Identity Source

General Connection **Stored Procedures** Attributes Groups

Stored procedure type: Returns parameters

Plain text password authentication: iseauthuserplainreturnsparements

Plain text password fetching: isefetchpasswordreturnsparements

Check username or machine exists: iseuserlookupreturnsparements

Fetch groups: isegroupsh

Fetch attributes: iseattrsh

Search for MAC Address in format: xx:xx:xx:xx:xx:xx

??

5. 拿来组并且添加他们到ODBC标识来源

[ODBC List > pgSQL](#)

ODBC Identity Source

General Connection Stored Procedures Attributes **Groups**

Edit + Add X Delete

Name	Name in ISE
No data available	

Select Groups from ODBC

Sample User or Machine: * Retrieve Groups

<input checked="" type="checkbox"/>	Name	Name in ISE
<input checked="" type="checkbox"/>	Admins	Admins
<input checked="" type="checkbox"/>	Users	Users
<input checked="" type="checkbox"/>	Laptops	Laptops

OK Cancel

??

步骤3. 配置属性检索用户

```
if pgSQL.ExternalGroups EQUALS Admins then PermitAccess  
if no matches, then DenyAccess
```

??

4. 映射它拿来属性

[ODBC List > pgSQL](#)

ODBC Identity Source

General Connection **Stored Procedures** Attributes Groups

Stored procedure type: Returns parameters

Plain text password authentication: iseauthuserplainreturnsparements

Plain text password fetching: isefetchpasswordreturnsparements

Check username or machine exists: iseuserlookupreturnsparements

Fetch groups: isegroupsh

Fetch attributes: iseattrsh

Search for MAC Address in format: XX:XX:XX:XX:XX:XX

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5. 拿来属性

[ODBC List > pgSQL](#)

ODBC Identity Source

General Connection Stored Procedures **Attributes** Groups

Edit + Add X Delete

Name	Type	Default Value	Name in ISE
No data available			

Select Attributes from ODBC

Sample User or Machine: user2 Retrieve Attributes

<input checked="" type="checkbox"/>	Name	Type	Default Value	Name in ISE
<input checked="" type="checkbox"/>	SecurityLevel	STRING	5	SecurityLevel
<input checked="" type="checkbox"/>	IdleTimeout	STRING	5	IdleTimeout

OK Cancel

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6. 调节ISE策略并且测试它

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Status	Details	Repeat ...	Identity	End...	Endp...	Authenticati...	Authorization Policy	Authorizati...	IP
<input checked="" type="checkbox"/>			user2	Endpc	Endpoi	Authentication	Authorization Policy	Authorization F	IP
<input checked="" type="checkbox"/>			user1			Default >> te...	Default >> ODBC security 5	Sec-5	
<input checked="" type="checkbox"/>						Default >> te...	Default >> ODBC all access	PermitAccess	

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验证

您应该当前能利用ODBC验证用户和获取他们的组和属性。

示例：

Overview

Event	5200 Authentication succeeded
Username	user1
Endpoint ID	
Endpoint Profile	
Authentication Policy	Default >> test_jss >> Default
Authorization Policy	Default >> ODBC all access
Authorization Result	PermitAccess

Authentication Details

Source Time stamp	2016-06-28 13:37:43.957
Received Timestamp	2016-06-28 13:37:43.958
Policy Server	vlunov-usd1
Event	5200 Authentication succeeded
Username	user1
Authentication Identity Store	pgSQL
Authentication Method	PAP_AODF
Authentication Protocol	PAP_AODF
Service Type	Login
Network Device	isatnmt
Device Type	All Device Types
Location	All Locations
NAS IP4 Address	10.43.44.114
NAS Port Type	Async
Authorization Profile	PermitAccess
Response Time	148

Other Attributes

ConfigVersionId	103
DestinationPort	1812
Protocol	Radius
NetworkDeviceProfileName	Cisco
NetworkDeviceProfileId	403ea870-7a27-41c3-b036-2794d31a606d
NetworkDeviceProfileType	Sube
AcisSessionId	vlunov-usd2102570127810812
SelectAuthenticatioIdentityStores	pgSQL
AuthorizationPolicyMatchRule	ODBC all access
CPM SessionID	5a331a32f0-gf04a2w4w4g4F72R0v904w4w4g4K0Jw4E8M0g
ISL PolicySetName	Default
AllowedProtocolMatchRule	test_jss
IdentitySelectMatchRule	Default
Network Device Profile	Cisco
Location	Location#All Locations
Device Type	Device Type#All Device Types
ExternalGroups	Admins
ExternalGroups	Laptops
SecurityLevel	10
RADIUS Username	user1

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故障排除

如果连接不是成功的在ISE使用show logging命令应用程序prrt-management.log尾标，当尝试接通时。

错误的凭证示例：

```
2016-08-28 13:55:47,017 WARN [admin-http-pool1372][] cisco.cpm.odbcidstore.impl.PostgresDbAccess
-:admin::- Connection to ODBC DB failed. Exception: org.postgresql.util.PSQLException: FATAL:
password authentication failed for u
ser "isedb_wrong"
org.postgresql.util.PSQLException: FATAL: password authentication failed for user "isedb_wrong"
at org.postgresql.Driver$ConnectThread.getResult(Driver.java:365)
at org.postgresql.Driver.connect(Driver.java:288)
at java.sql.DriverManager.getConnection(DriverManager.java:664)
at java.sql.DriverManager.getConnection(DriverManager.java:208)
at com.cisco.cpm.odbcidstore.impl.PostgresDbAccess.connect(PostgresDbAccess.java:46)
at com.cisco.cpm.odbcidstore.impl.OdbcConnection.connect(OdbcConnection.java:72)
at com.cisco.cpm.odbcidstore.impl.OdbcIdStore.performTest(OdbcIdStore.java:377)
at
com.cisco.cpm.odbcidstore.impl.OdbcIdStore.testConnectionAndConfiguration(OdbcIdStore.java:469)
at
com.cisco.cpm.odbcidstore.impl.OdbcIdStoreManager.testConnectionAndConfiguration(OdbcIdStoreMana
ger.java:84)
at com.cisco.cpm.admin.ac.actions.ODBCLPInputAction.testConnection(ODBCLPInputAction.java:749)
```

错误的DB名称示例：

```
2016-08-28 13:53:43,174 WARN [admin-http-pool1372][] cisco.cpm.odbcidstore.impl.PostgresDbAccess
-:admin::- Connection to ODBC DB failed. Exception: org.postgresql.util.PSQLException: FATAL:
database "isedb_wrong" does not exist
t
org.postgresql.util.PSQLException: FATAL: database "isedb_wrong" does not exist
at org.postgresql.Driver$ConnectThread.getResult(Driver.java:365)
at org.postgresql.Driver.connect(Driver.java:288)
at java.sql.DriverManager.getConnection(DriverManager.java:664)
at java.sql.DriverManager.getConnection(DriverManager.java:208)
at com.cisco.cpm.odbcidstore.impl.PostgresDbAccess.connect(PostgresDbAccess.java:46)
at com.cisco.cpm.odbcidstore.impl.OdbcConnection.connect(OdbcConnection.java:72)
at com.cisco.cpm.odbcidstore.impl.OdbcIdStore.performTest(OdbcIdStore.java:377)
at
com.cisco.cpm.odbcidstore.impl.OdbcIdStore.testConnectionAndConfiguration(OdbcIdStore.java:469)
at
com.cisco.cpm.odbcidstore.impl.OdbcIdStoreManager.testConnectionAndConfiguration(OdbcIdStoreMana
ger.java:84)
at com.cisco.cpm.admin.ac.actions.ODBCLPInputAction.testConnection(ODBCLPInputAction.java:749)
```

为了排除故障DB操作，启用日志组件odbc id存储到调试级别在管理>System >记录日志>调试日志配置下。

日志在prrt-management.log文件安置。

user1的示例：

```
2016-08-28 14:01:01,116 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Authenticate Plain Text Password. Username=user1,
SessionID=0a301a32OuqzqoKTrY02KoCjdWN6PlZtBX1/vhDXxN9nQTBFM8g
2016-08-28 14:01:01,118 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.CustomerLog -:::-
Write customer log message: 24852
```

```
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - get connection
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - use existing connection
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - connections in use: 1
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Authenticate plain text password
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Prepare stored procedure call, procname=iseauthuserplainreturnsparameters
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Using output parameters to obtain stored procedure result values
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.CustomerLog -:::-
Write customer log message: 24856
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Text: {call iseauthuserplainreturnsparameters(?, ?, ?, ?, ?, ?)}
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Setup stored procedure input parameters, username=user1, password=***
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Setup stored procedure output parameters
2016-08-28 14:01:01,119 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Execute stored procedure call
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Process stored procedure results
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Obtain stored procedure results from output parameters
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Results successfully parsed from output parameters
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - release connection
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - connections in use: 0
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- Call
to ODBC DB succeeded
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.OdbcAuthResult -:::-
Authentication result: code=0, Connection succeeded=false, odbcDbErrorString=No error,
odbcStoredProcedureCustomerErrorString=null, ac
countInfo=This is a very good user, give him all access, group=11
2016-08-28 14:01:01,121 DEBUG [Thread-26349][] cisco.cpm.odbcidstore.impl.CustomerLog -:::-
Write customer log message: 24853
2016-08-28 14:01:01,129 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Username=user1,
SessionID=0a301a320uqzqokTrY02KoCjdWN6PlZtBX1/vhDXxN9nQTBFM8g
2016-08-28 14:01:01,131 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Fetch user groups. Username=user1,
SessionID=0a301a320uqzqokTrY02KoCjdWN6PlZtBX1/vhDXxN9nQTBFM8g
2016-08-28 14:01:01,131 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.CustomerLog -:::- Write
customer log message: 24869
2016-08-28 14:01:01,132 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - get connection
2016-08-28 14:01:01,132 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - use existing connection
2016-08-28 14:01:01,132 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - connections in use: 1
2016-08-28 14:01:01,132 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Fetch user groups
2016-08-28 14:01:01,132 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Prepare stored procedure call, procname=isegroupsh
2016-08-28 14:01:01,132 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Text: {call isegroupsh(?)}
```



```
2016-08-28 14:01:01,134 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Process stored procedure results
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Received result recordset, total number of columns=2
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
POSTGRES case, first column holds the result param value
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
According to column number expect multiple rows (vertical attributes/groups returned result)
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Fetched data: ExternalGroup=Admins
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Fetched data: ExternalGroup=Laptops
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Results successfully parsed from recordset
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Result code indicates success
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - release connection
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - connections in use: 0
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- Call
to ODBC DB succeeded
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.CustomerLog -:::- Write
customer log message: 24870
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Got groups...
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Got groups(0) = Admins
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Setting Internal groups(0) = Admins
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Got groups(1) = Laptops
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Setting Internal groups(1) = Laptops
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user groups. Username=user1, ExternalGroups=[Admins, Laptops]
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Fetch user attributes. Username=user1,
SessionID=0a301a32OuqzqoKTrY02KoCjdWN6PlZtBX1/vhDXxN9nQTBFM8g
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.CustomerLog -:::- Write
customer log message: 24872
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - get connection
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - use existing connection
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - connections in use: 1
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Fetch user attributes
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Prepare stored procedure call, procname=iseattrsh
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Text: {call iseattrsh(?) }
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Setup stored procedure input parameters, username=user1
2016-08-28 14:01:01,135 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Execute stored procedure call
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Process stored procedure results
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Received result recordset, total number of columns=3
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
POSTGRES case, first column holds the result param value
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
```

According to column number expect multiple rows (vertical attributes/groups returned result)

```
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Fetched data: SecurityLevel=10
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Results successfully parsed from recordset
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnection -:::-
Result code indicates success
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - release connection
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcConnectionPool -
:::- OdbcConnectionPool - connections in use: 0
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- Call
to ODBC DB succeeded
2016-08-28 14:01:01,140 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.CustomerLog -:::- Write
customer log message: 24873
2016-08-28 14:01:01,141 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user attrs. Username=user1, Setting pgSQL.SecurityLevel to 10
2016-08-28 14:01:01,141 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user attrs. Username=user1, Setting IdleTimeout to default value : 5
2016-08-28 14:01:01,141 DEBUG [Thread-3076][] cisco.cpm.odbcidstore.impl.OdbcIdStore -:::- ODBC
ID Store Operation: Get all user attrs. Username=user1, Setting pgSQL.IdleTimeout to 5
```

参考

- [思科身份服务引擎2.1管理指南- ODBC配置](#)
- [使用ODBC，配置与MS SQL的ISE 2.1](#)
- [PostgreSQL : 文档](#)