



MashZone NextGen 10.11 Guide (w. CloudStreams)

- **References**

- [CloudStreams Guide](#) (Notion)
- [Database Component Configurator](#) (Documentation)
- [Oracle 18c XE 설치](#) (Evernote)
- [CloudStreams Analytics](#) (MashZone 서버를 통한 Analytics 가이드)

- **사전 Settings**

- **STEP 1.** CloudStreams Server 10.11 및 Integration Server 설치

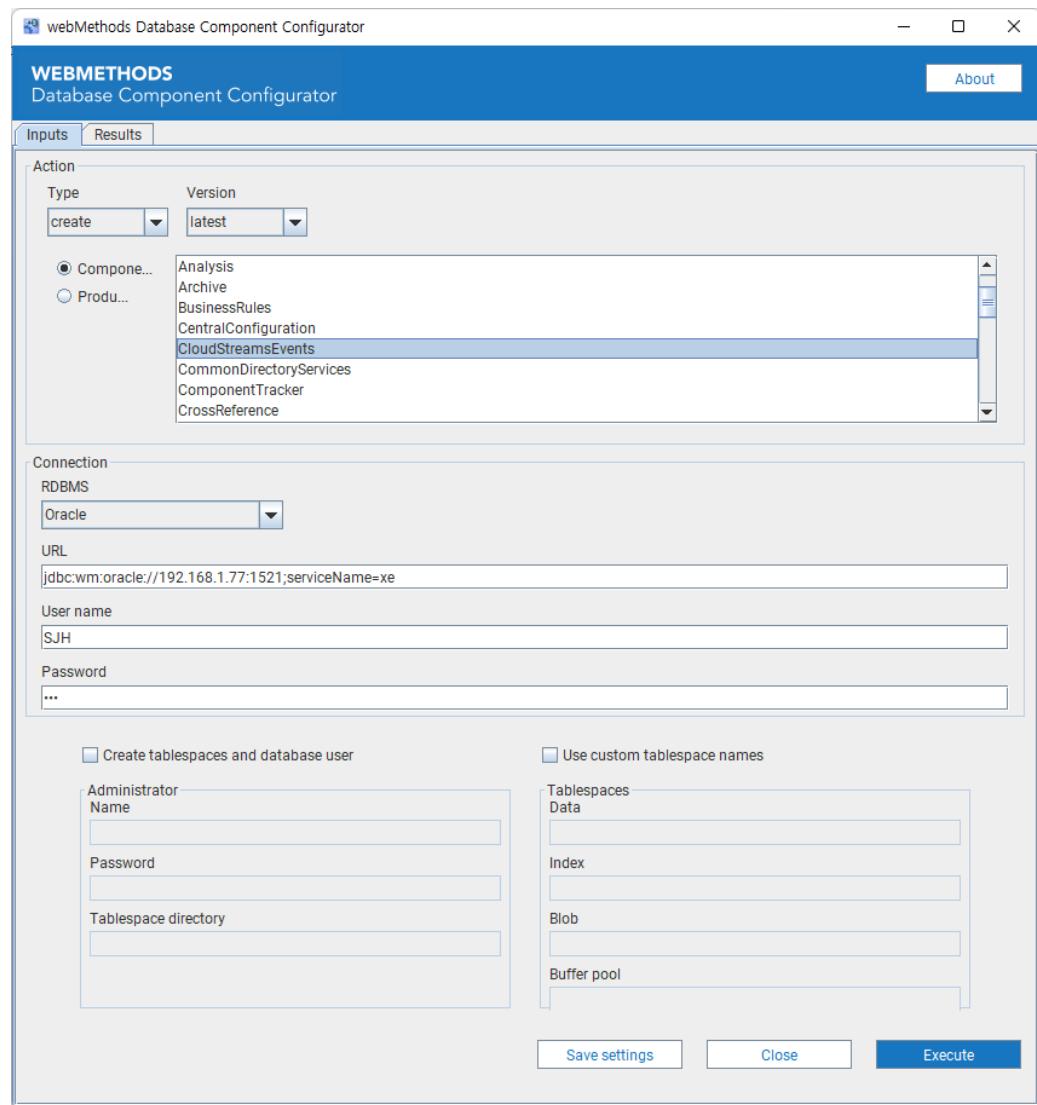
```

Install? Product Name          (Toggle for Build and Installed Build) Size
-----
1)   [ ] Select All
118) [ ] Application Server Tier 10.11      570 MB
119) [ ] Application Server Tier Extension 10.11    2 MB
120) [ ] Registry Repository 10.11      369 MB
121) [ ] Registry Repository Extension 10.11    124 MB
122) [ ] Shared Files 10.11      88 MB
123) [ ] Shared Files Extension 10.11     8 MB
124) [ ] Cloud
125) [ ] Database Configuration
126) [ ] webMethods Adapter for SAP Database Scripts 10.1      2 KB
127) [I] CloudStreams Server 10.11 (Installed)      18 MB
+) Jump to products 128 to 137 out of 529
-) Jump to products 108 to 117 out of 529
S) Search for a product T) Toggle J) Jump to index
N) Next B) Back X) Exit

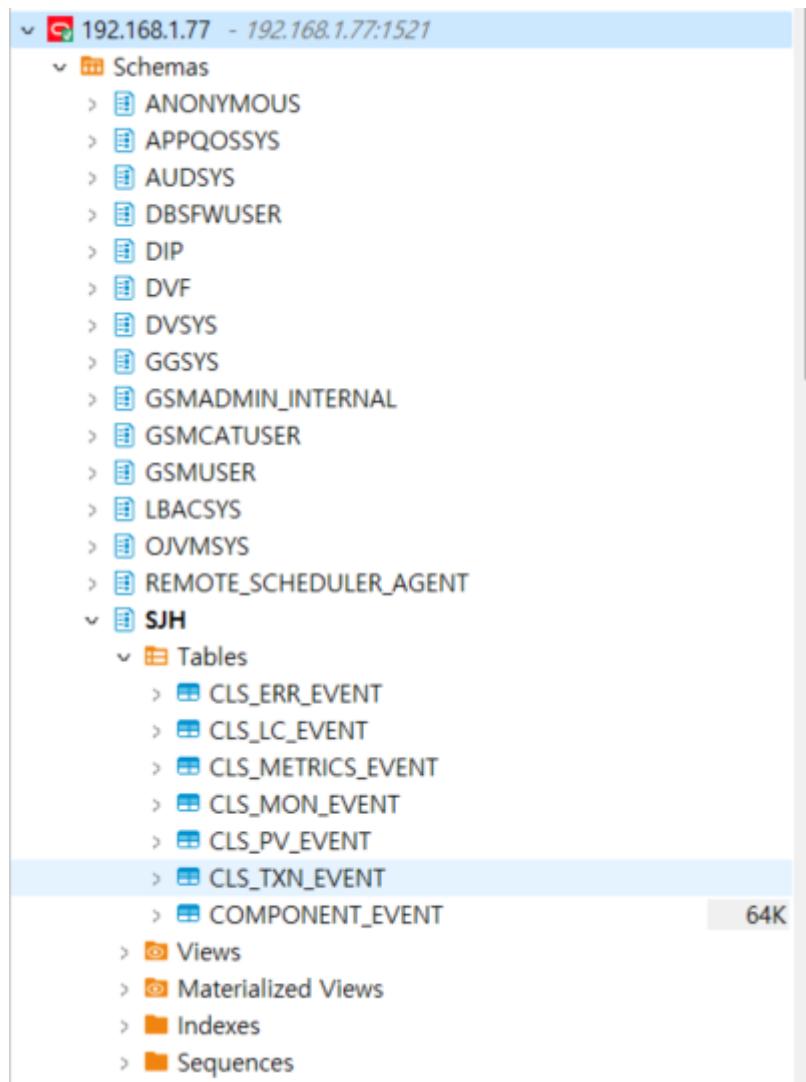
Enter: [ N ] ? 

```

- webMethods Installer 를 사용하여 설치
- **STEP 2.** CloudStreams Analytics에 필요한 스키마 및 테이블 생성 (DCC)
 - Oracle (18c, XE) 설치 후 테스트 (타 RDBMS로 DB2, SQL Server 가능)
 - Database Component Configurator 를 사용하여 **CloudStreamsEvents** 컴포넌트 Execute



Database Component Configurator - 10.11 > CloudStreamsEvents Component 생성



DBeaver에서 Table 생성 확인 - CLS_

- **STEP 3.** Gateway 서버의 IS에서 JDBC 풀 생성 및 연결
 - Administration > JDBC pools > Create a Pool Alias Definition
 - DataDirect 드라이버 설정은 연결 URL의 속성 설정을 통해 구성
 - DataDirect 드라이버는 기본설정으로 0을 사용하여(Time out을 사용하지 않음) SQL문 실행에 대한 Time out를 구성하는 것을 권장 (Document 참고).
 - ex) jdbc:wm:oracle://192.168.1.77:1521;serviceName=xe; QueryTimeout=10000; LoginTimeout=100

- [Return to JDBC Pool Definitions](#)

JDBC Connection Pool Alias	
Alias Name	local_oracle
Alias Description	local oracle server test
Associated Driver Alias	DataDirect Connect JDBC Oracle Driver <input checked="" type="checkbox"/>
Database URL	jdbc:wm:oracle://192.168.1.77:1521;serviceName=xe
Sample Database URL	jdbc:wm:oracle://<server>:<1521 port>;serviceName=<value>[;<option>=<value>...]
Diagnostics	<input type="checkbox"/> Spy <input type="checkbox"/> Snoop
Spy Attributes	SpyAttributes=(log=
Snoop Logging Parameters	ddtdbg.ProtocolTraceEnable=true;ddtdbg.ProtocolTraceMaxline=16;
User ID	SJH
Password	...
Minimum Connections	0
Maximum Connections	20
Available Connections Warning Threshold	0 %
Waiting Thread Threshold Count	2000
Idle Timeout	60000 milliseconds
<input type="button" value="Test Connection"/> <input type="button" value="Save Settings"/>	

JDBC Pool 생성 예시 Database URL 에 timeout 속성 (QueryTimeout 과 LoginTimeout
(기본 60초) 속성을 넣는것을 권장)

■ CloudStreams 에 생성한 JDBC Pool 연결 > Restart > Test

Test of CloudStreams successful

- [Create a Pool Alias Definition](#)
- [Copy a Pool Alias Definition](#)
- [Create a Driver Alias Definition](#)

Functional Alias Definitions					
Function Name	Associated Pool Alias	Edit Function	Test	Restart Function	Function Description
APIGateway		Edit	▶	Restart	APIGateway events
Adapters		Edit	▶	Restart	Adapters Function
Archiving		Edit	▶	Restart	Schema for archiving data
CentralUsers		Edit	▶	Restart	Central User Management
CloudStreams	local_oracle	Edit	▶	Restart	CloudStreams events
DocumentHistory		Edit	▶	Restart	Document History for Exa
ISCoreAudit		Edit	▶	Restart	IS Core Audit Log Manag

- MashZone NextGen 서버 설치 및 시작

- MashZone NextGen Server 10.11 설치

```
Install? Product Name (Toggle for Build and Installed Build) Size
----- -----
1) [ ] Select All
478) [ ] webMethods for 10.11 Apache Parquet 21 MB
479) [ ] webMethods Solution 10.11 for gRPC 8 MB
480) [ ] WmDB 10.11 1 MB
481) [I] MashZone NextGen Server 10.11 (Installed) 320 MB
482) [ ] Microservices Runtime 10.11 1 MB
483) [ ] Mobile
484) [ ] Mobile Designer 10.11 371 MB
485) [ ] My webMethods Server
486) [ ] Server 10.11 49 MB
487) [ ] Business Administration 10.11 4 MB
+) Jump to products 488 to 497 out of 529 Total: 7 MB
-) Jump to products 468 to 477 out of 529
S) Search for a product T) Toggle J) Jump to index
N) Next B) Back X) Exit

Enter: [ N ] ?
```

- 서버 시작 및 중지

```
cd /{SAG_HOME}/{MashZoneNG-install}/apache-tomcat/bin
## ex) /webM/MashZoneNG/apache-tomcat/bin

# MashZone NextGen 서버 시작
./startup.sh

# MashZone NextGen 서버 중지
./shutdown.sh
```

- 서버 접속

- 설치 시 지정한 기본포트 8080으로 접속 가능 ({Hostname or IP} : 8080 으로 접속)

Sign in to Mashzone NextGen

▲ 주의 요점 | 192.168.1.77:8080/mashzone/hub/login.html?return_url=http%3A%2F%2F192.168.1.77%3A8080%2Fmashzone%2F

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MashZone NextGen

WELCOME
PLEASE LOG IN

Administrator

.....|

English

Log In

?

MashZone NextGen - Version 10.11 Fix 10 | Build 1990
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메인 화면 (기본 계정 : Administrator / Manage)

Mashzone NextGen Hub Home

◀ ▶ C ▲ 주의 요점 | 192.168.1.77:8080/mashzone/hub/home/index.html

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MashZone NextGen

Dashboards Data Feeds

Hello and Welcome Administrator

Welcome to MashZone NextGen. Please review the documentation [here](#). If you require any assistance, please contact your System Administrator or join our [forums](#).

Recent Dashboards

Create a Dashboard

Explore More

Search

Search

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Configured feed processing timezone: UTC | **software AG**

초기 화면

- CloudStreams Analytics 리소스 파일 복사 & 데이터 피드 구성

- `{SAG_HOME}/CloudStreamsAnalytics/mashngapp/CloudStreamsAnalytics.zip` 파일을 `{MASHZONE_NG_HOME}/prestashop/bin` 폴더에 복사
- `{SAG_HOME}/CloudStreamsAnalytics/mashngapp/resources` 폴더의 내용 (image 폴더 제외)을 `{MASHZONE_NG_HOME}/mashzone/data/resources` 폴더에 복사
- `{SAG_HOME}/CloudStreamsAnalytics/mashngapp/resources/images` 폴더의 내용을 `{MASHZONE_NG_HOME}/apache-tomcat/webapps/mashzone/images` 폴더에 복사
- 복사 후 `{MASHZONE_NG_HOME}/mashzone/data/resources/config.xml` 수정

```
<?xml version="1.0"?>
<WmCloudStreamsAnalytics>
    <host>192.168.1.77</host>
        <port>5555</port>
    <transactions>10000</transactions>
    <events>10000</events>
</WmCloudStreamsAnalytics>
~
```

- 트랜잭션 및 이벤트 테이블에 대한 레코드 제한 (기본 트랜잭션 & 레코드 제한은 10000)

- **CloudStreams Analytics 대시보드 import & 대시보드 생성 확인**

```
cd {MASHZONE_NG_HOME}/prestashop/bin
./padmin importDashboard -f CloudStreamsAnalytics.zip -u Administrator -w manage
```

```
[sol@gw1011 bin]$ ./padmin importDashboard -f CloudStreamsAnalytics.zip -u Administrator -w manage
INFO: Feed: CLOUDSTREAMS ANALYTICS DATE MAPPING USING MASH ZONE (XML) with guid: 5a2ab15d-1202-4017-a155-a5812e581df1 successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS SERVICE VIEW (XML) with guid: f0621ef6-eef75-4aeb-ac5f-8487f2979085 successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS ERROR VIEW (XML) with guid: 90f692cb-4766-473e-a167-7576909c378b successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS SUMMARY TAB (XML) with guid: ae5fc59d-020a-4a37-aabe-2301c5aa6f71 successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS PERFORMANCE VIEW (XML) with guid: b068dd43-b9fc-4ad5-8c1a-8e052d09392b successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS TRANSACTION VIEW (XML) with guid: 7a400653-6c01-4b0a-b7d0-e62f9e7de0ea successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS DATE INPUT with guid: 51268da8-baf5-4bae-b920-bf30bfa96d7a successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS URL FOR DATA LAYER with guid: b17631bf-d349-4bd2-b3ee-4afee3f8ab50 successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS TABLE NAMES AND EVENT TYPES with guid: 5d68c232-d60e-43ba-9678-68a44df1bd7f successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS USAGE VIEW (XML) with guid: 22157e7f-8f56-442a-8bcb-24596a2107ed successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS TRANSACTION RECORD COUNT with guid: 7f18233c-4bfc-43b7-ac88-f954287b37e3 successfully imported.
INFO: Feed: CLOUDSTREAMS ANALYTICS EVENT RECORD COUNT with guid: 13030ddf-5283-4029-ac62-141a72e601f1 successfully imported.
INFO: Dashboard: CloudStreams Analytics with guid: e79da975-d2f2-44fe-a3b4-5f2ec53c8c40 successfully imported.
```

ImportDashboard 예시

The screenshot shows the MashZone NextGen dashboard. At the top, there's a header bar with the Software AG logo, navigation links for 'Dashboards' and 'Data Feeds', and a 'Google Translate' button. Below the header is a welcome message: 'Hello and Welcome Administrator' followed by a link to documentation and a forum. A green arrow points from the text 'Recent Dashboards' to a section containing two cards: 'CloudStreams Analytics' (with a thumbnail icon) and 'Create a Dashboard'. At the bottom of the dashboard, there's a search bar and a 'Search' button.

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생성 된 Dashboard 확인