

-----Use Case 1-----

```
cepAdm.createEPL("
    + "create context incrementByChannel "
    + " context CountEventByChannel "
    + " partition by userChannel "
    + " from CountByChannelEvent, "
    + " context counting "
    + " initiated by CountByChannelEvent as ce "
    + " terminated by UserEvent(userChannel = ce.userChannel) "
);
```

```
EPStatement incrementByOneStatement =
cepAdm.createEPL("
    + "insert into CountByChannelEvent "
    + "select (ce.userCount+1) as userCount, ce.userChannel as userChannel ,
ue.timeStamp as timeStamp "
    + "from CountByChannelEvent.win:keepall() as ce,
UserEvent(userAction='<vistaTV:join>').win:length(1) as ue where ce.userChannel =
ue.userChannel output last when terminated ");
```

```
EPStatement initChannelStatement =
cepAdm.createEPL("
    + "insert into CountByChannelEvent "
    + "select 1L as userCount, ue.userChannel as userChannel , ue.timeStamp as
timeStamp "
    + "from UserEvent(userAction='<vistaTV:join>').win:length(1) as ue "
    + "Where not exists "
    + "( "
    + "select * "
    + "from CountByChannelEvent.win:keepall() as ce where ce.userChannel =
ue.userChannel "
    + ") "
);
```

```
EPStatement decrementByOneStatement =
cepAdm.createEPL("
    + "context incrementByChannel "
    + "insert into CountByChannelEvent "
    + "select (ce.userCount-1) as userCount, ce.userChannel as userChannel ,
ue.timeStamp as timeStamp "
    + "from CountByChannelEvent.win:keepall() as ce,
UserEvent(userAction='<vistaTV:quit>').win:length(1) as ue where ce.userChannel =
ue.userChannel output last when terminated ");
```