SSCP Overview

(Smart Phone Service Control Protocol)





AddPac

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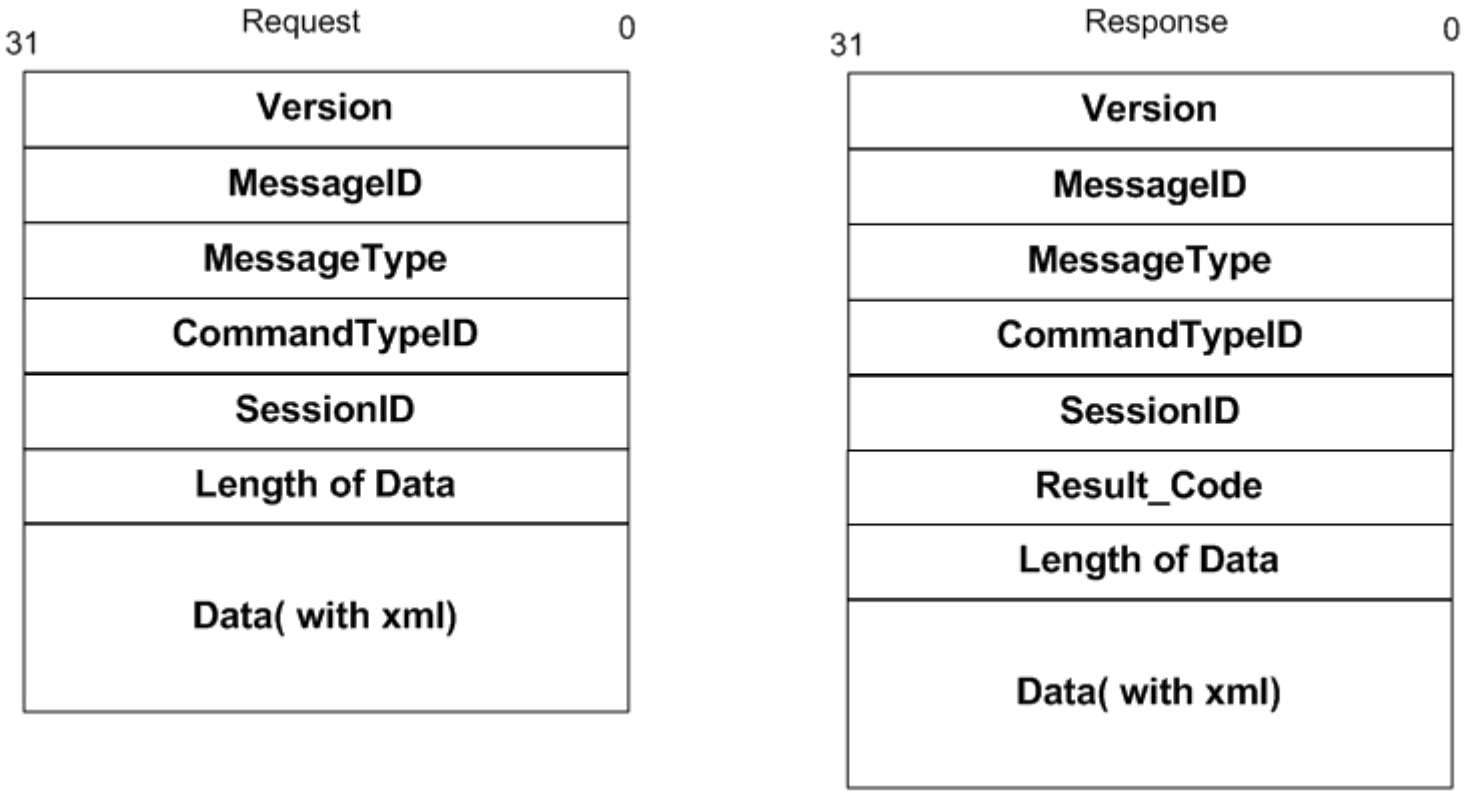
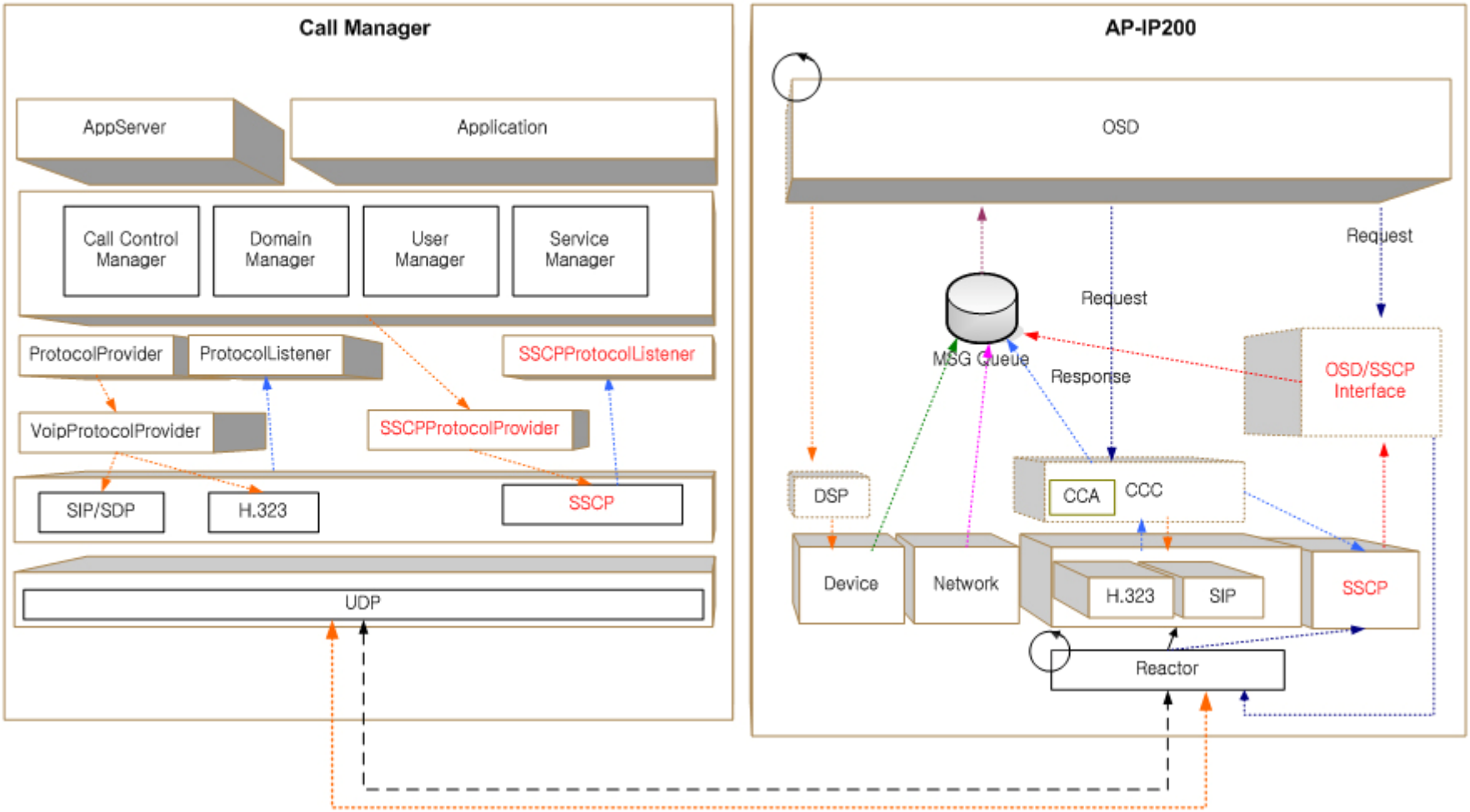
What is SSCP Protocol ?

- AddPac Propriety Protocol between Call Manager & IP Terminal (IP Phone, Video Phone, etc) for Smart IP Phone Service
- Transport Protocol : UDP
- SSCP Function
  - Registration
  - Phone Status
  - Event Processing
    - Soft Key, Phone Book, Voice/Video Mail, Call History, etc
  - Phone Layout

SSCP Message Format



SSCP Architecture



SSCP Messages : Example

IP Phone -> Call Manager

1	KeepAlive
2	TimeDate
3	ButtonTemplate
4	Version
5	SoftKeySet
6	Unregister
7	SoftKeyTemplate
8	Service

9 SpeedDial

```
<?xml version="1.0" encoding="utf-8"?>
<SSCP name=SpeedDial>
   <SpeedDial number=3> </SpeedDialNumber>
</SSCP>
</xml>
```

10 Forward

```
<?xml version="1.0" encoding="utf-8"?>
<SSCP name=Forward>
   <Address number=1012></AddressNumber>
</SSCP>
</xml>
```

11 HeadsetStatus

```
<?xml version="1.0" encoding="utf-8"?>
<SSCP name=HeadsetStatus>
   <Mode type="On/Off"></Mode>
</SSCP>
</xml>
```

12 SoftKeyEvent

```
<?xml version="1.0" encoding="utf-8"?>
<SSCP name=SoftKeyEvent>
   <Event id=1 name="Redial"></Event>
   <CallIdentifier id="01002007"></CallIndentifier>
   <Group id="23"></Group>
</SSCP>
</xml>
```

14 PhoneBook

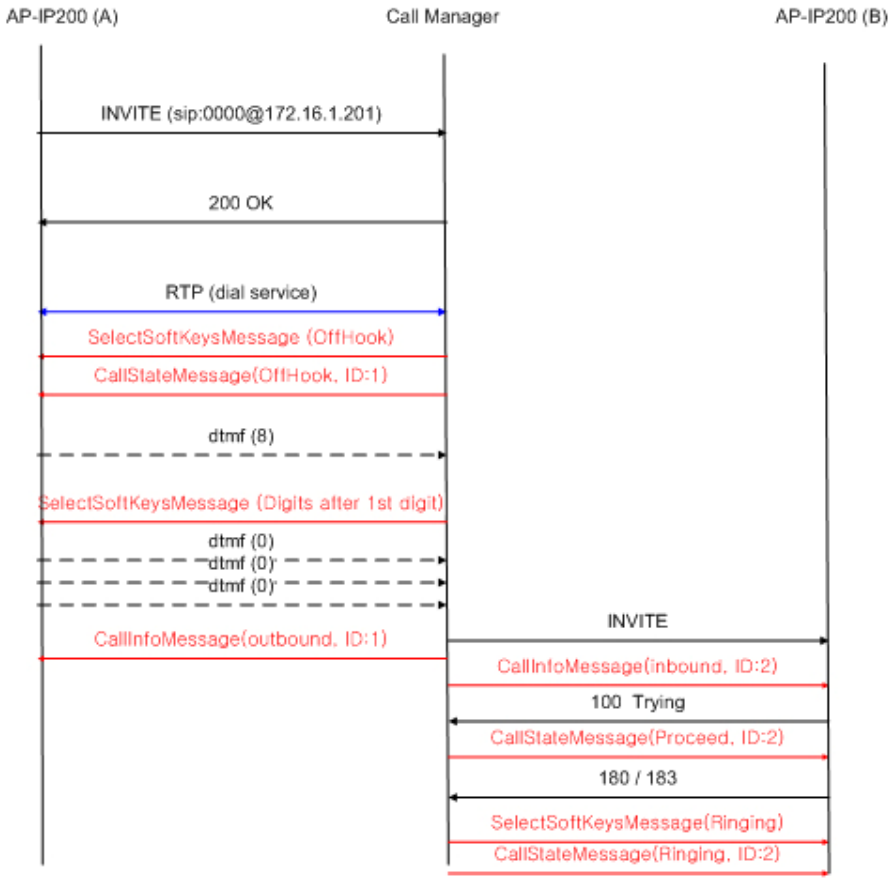
```
<?xml version="1.0" encoding="utf-8"?>
<SSCP name=PhoneBook>
   <User id="test1012" lastname="kim" firstname="sangmi"></User>
</SSCP>
</xml>
```

softKeyEvent

```
{1  , "Redial"},
{2  , "NewCall"},
{3  , "Hold"},
{4  , "Trnsfer"},
{5  , "CFwdAll"},
{6  , "CFwdBusy"},
{7  , "CFwdNoAnswer"},
{8  , "BackSpace"},
{9  , "EndCall"},
{10 , "Resume"},
{11 , "Answer"},
{12 , "Info"},
{13 , "Confrn"},
{14 , "Park"},
{15 , "Join"},
{16 , "MeetMeConfrn"},
{17 , "CallPickUp"},
{18 , "GrpCallPickUp"},
{19 , "Play"},
{20 , "Store"},
{21 , "Delete"},
{0  , NULL}
```

SSCP Call Flow : Example

Basic Call Flow



Thank you!

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