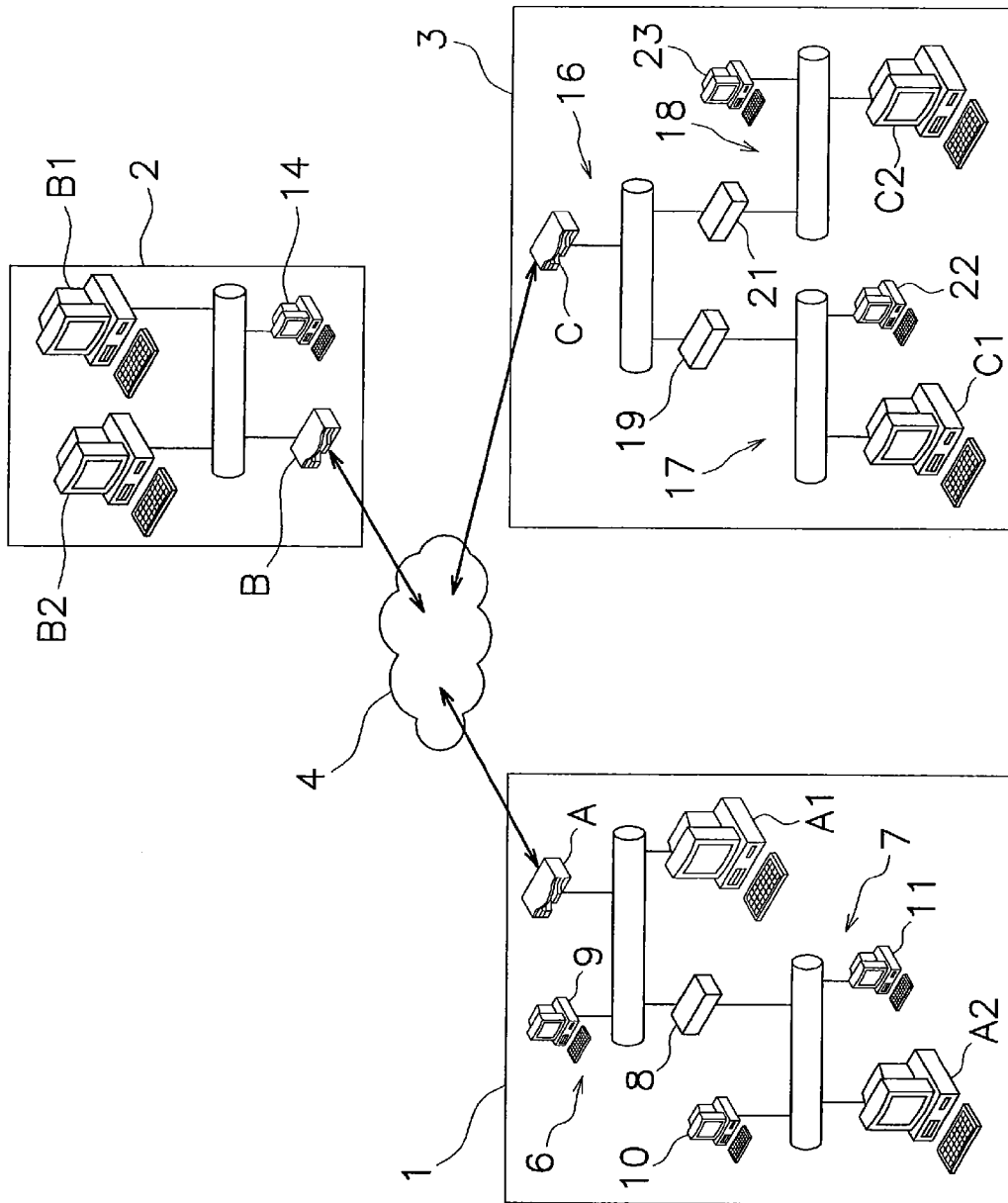
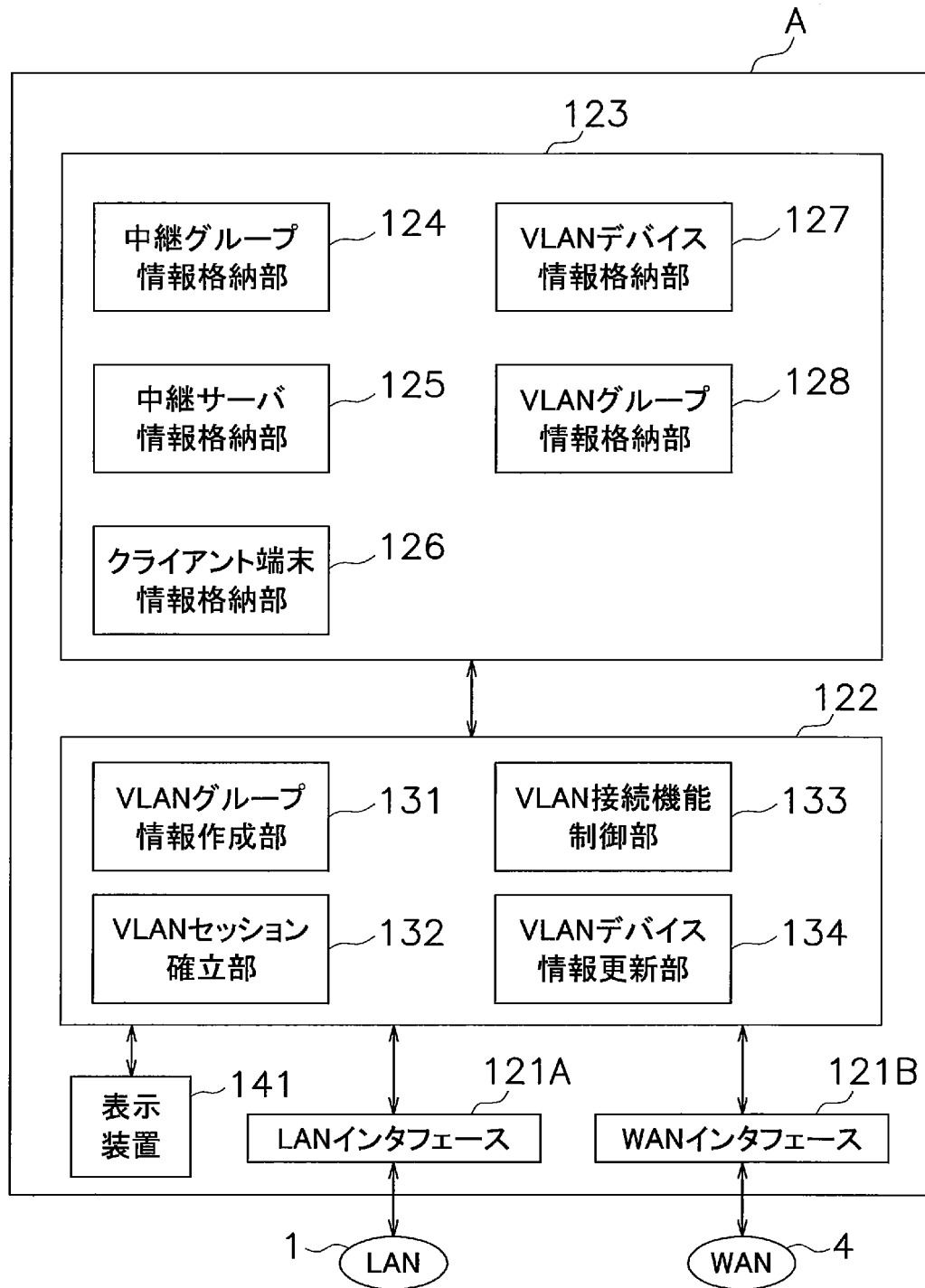


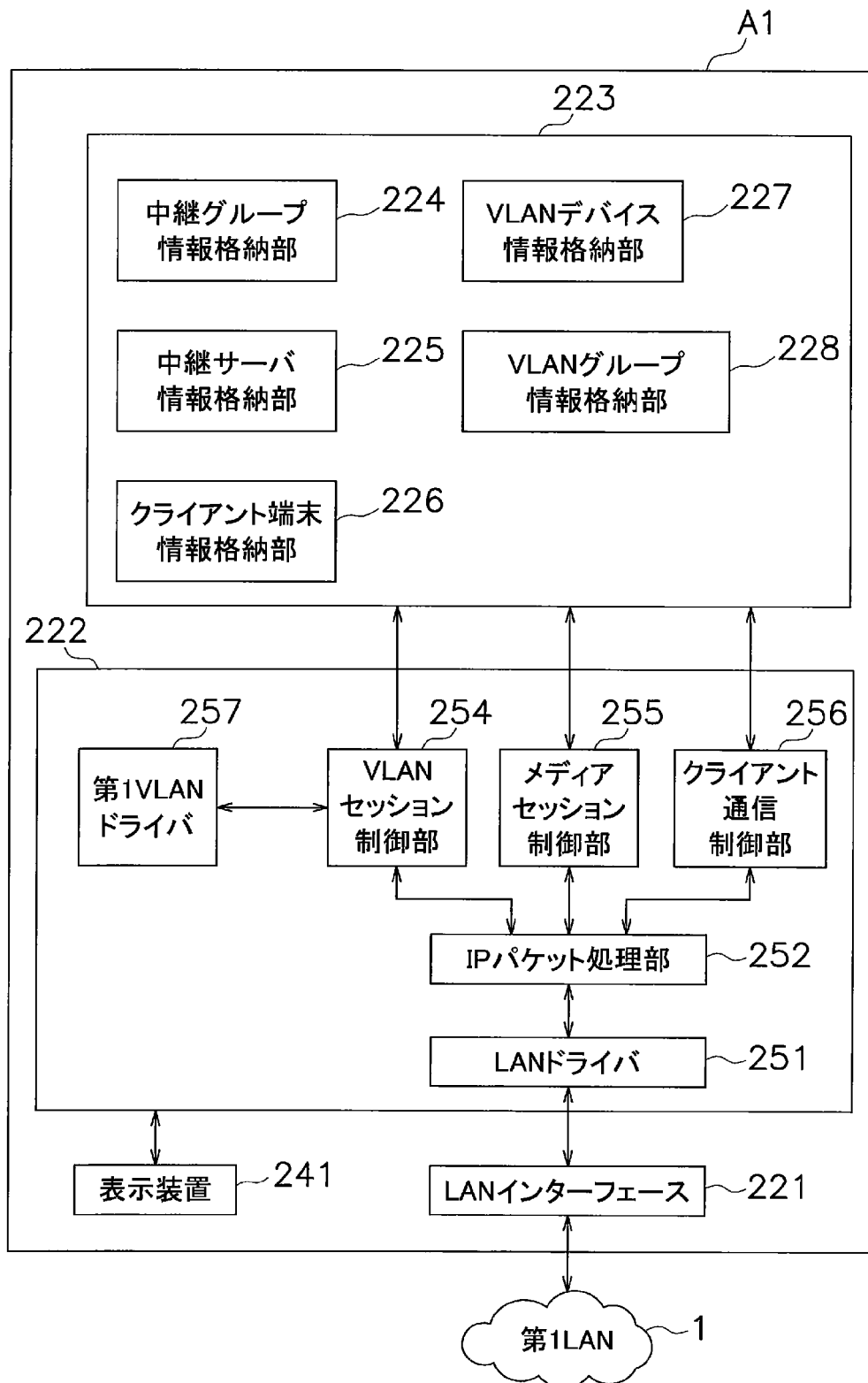
[図1]



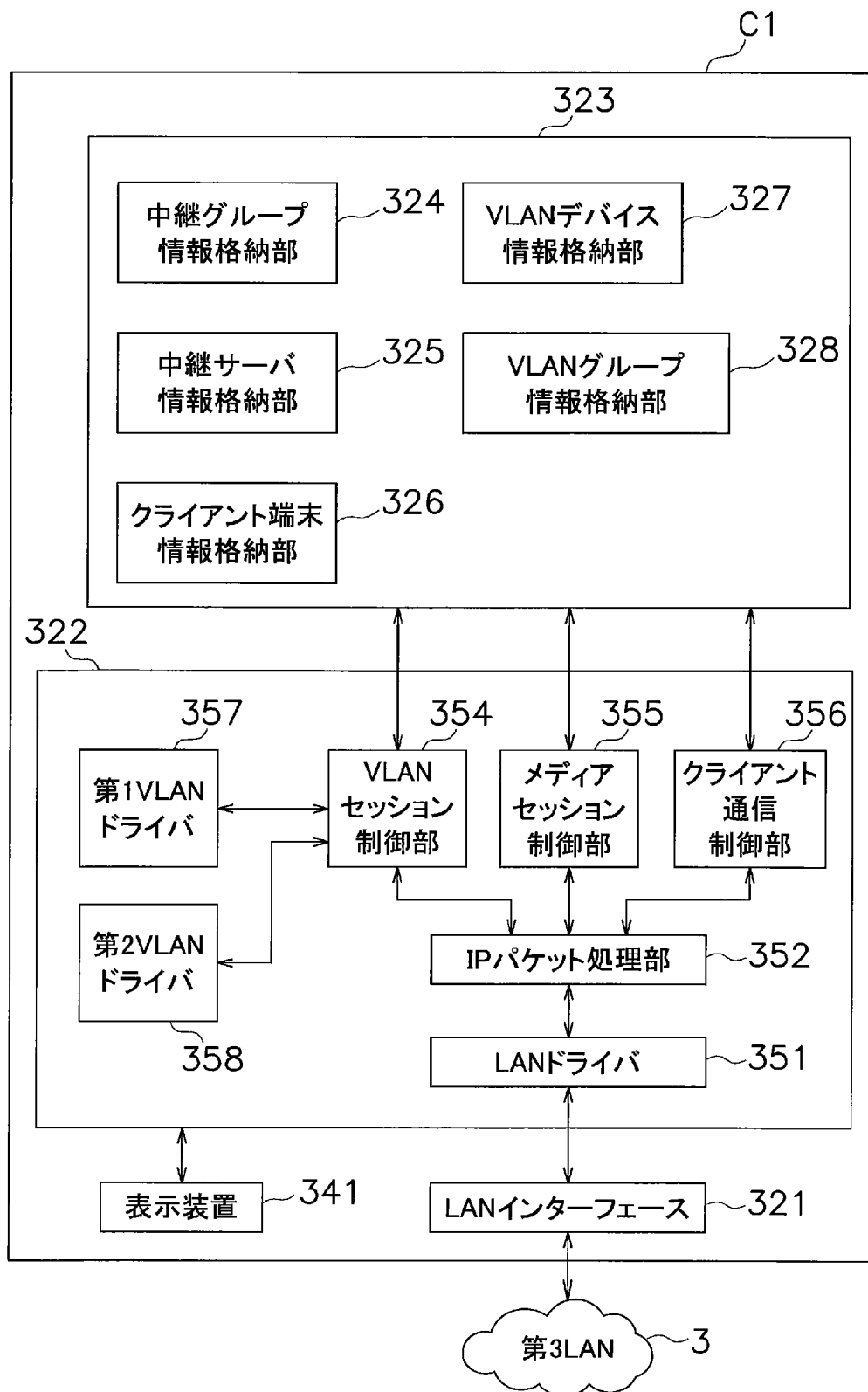
[図2]



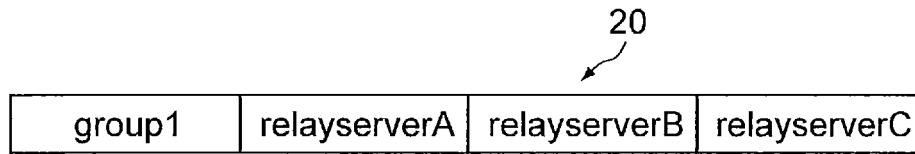
[図3]



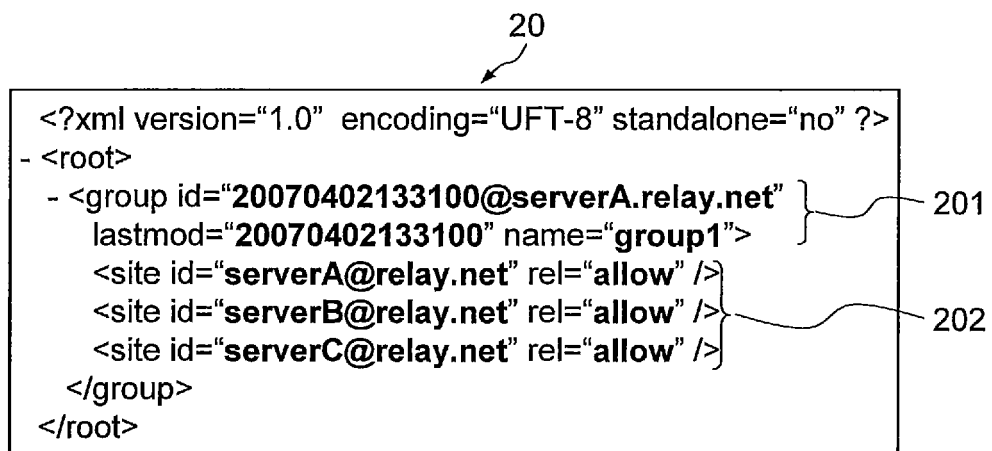
[図4]



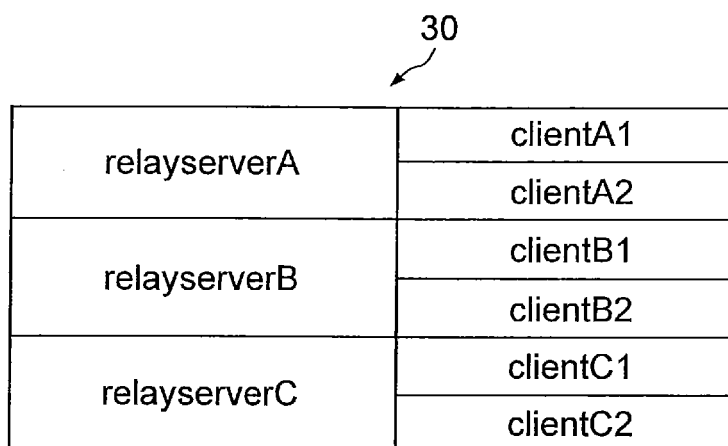
[図5]



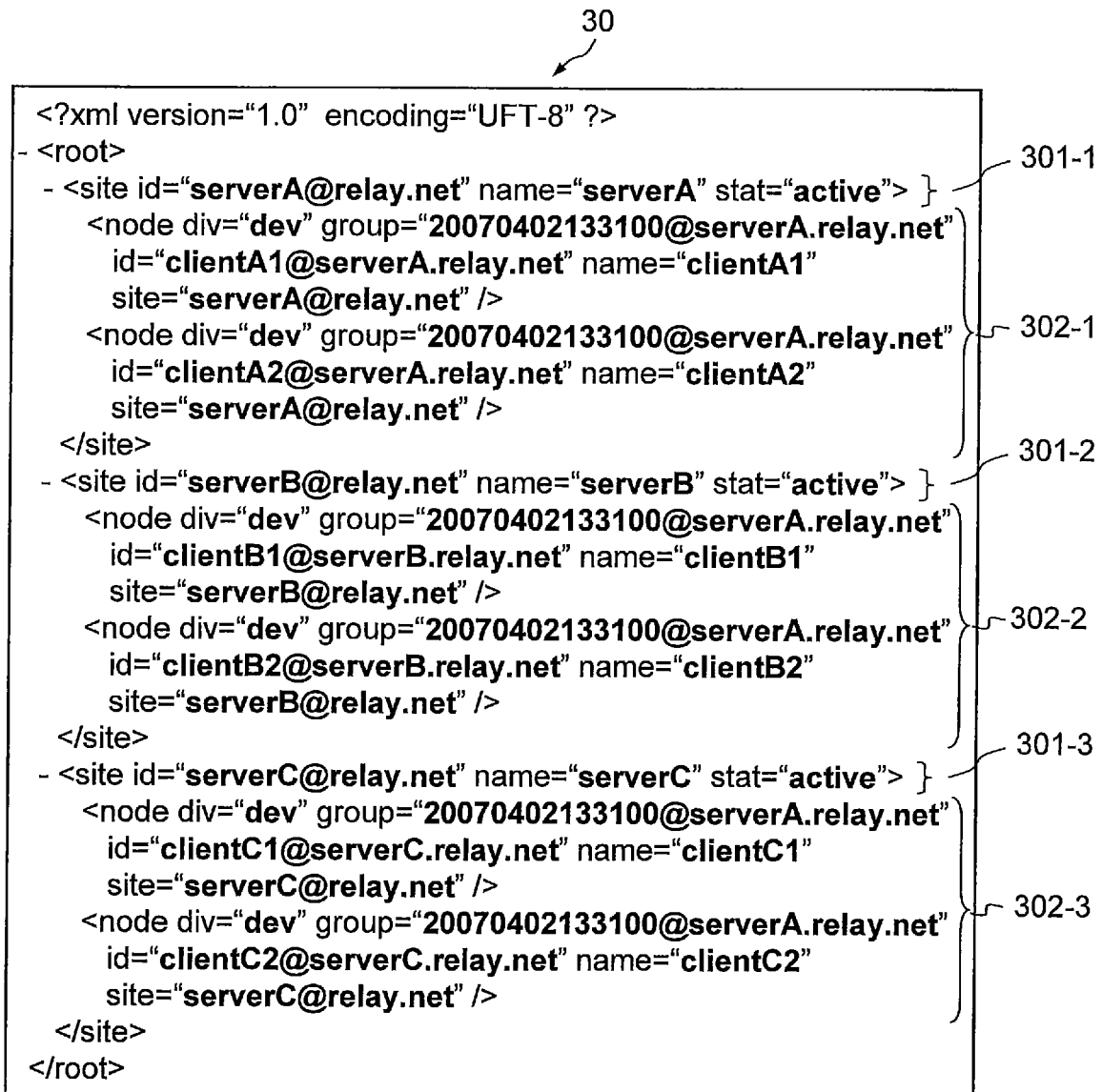
[図6]



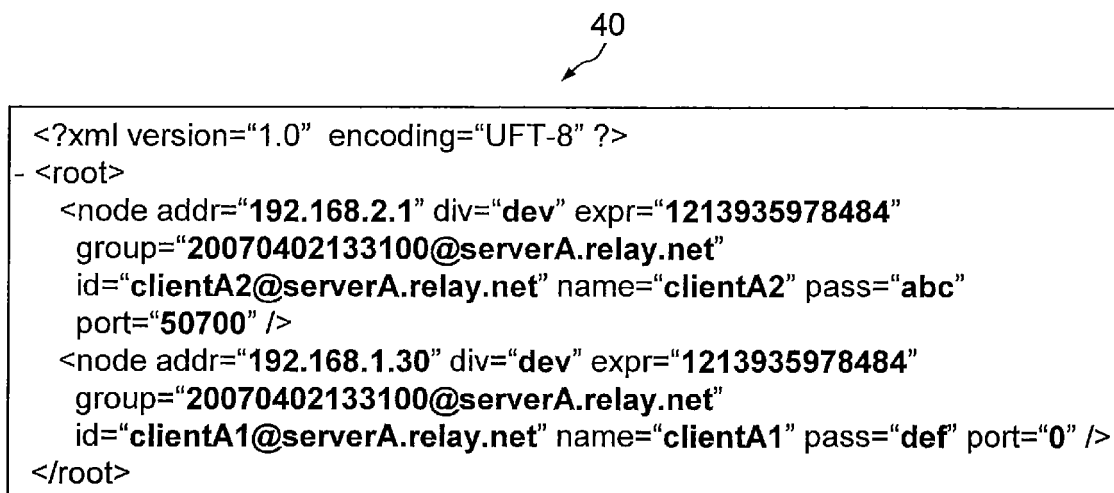
[図7]



[図8]



[図9]



[図10]

50

```

<?xml version="1.0" encoding="UTF-8" ?>
<root>
  <node addr="192.100.1.3" div="dev" expr="1213935978484"
    group="20070402133100@serverA.relay.net"
    id="clientB1@serverB.relay.net" name="clientB1" pass="abc"
    port="50700" />
  <node addr="192.100.1.2" div="dev" expr="1213935978484"
    group="20070402133100@serverA.relay.net"
    id="clientB2@serverB.relay.net" name="clientB2" pass="nou"
    port="50700" />
</root>

```

[図11]

60

```

<?xml version="1.0" encoding="UTF-8" ?>
<root>
  <node addr="200.1.2.1" div="dev" expr="1213935978484"
    group="20070402133100@serverA.relay.net"
    id="clientC1@serverC.relay.net" name="clientC1" pass="abc"
    port="50700" />
  <node addr="200.1.3.200" div="dev" expr="1213935978484"
    group="20070402133100@serverA.relay.net"
    id="clientC2@serverC.relay.net" name="clientC2" pass="def" port="0" />
</root>

```

[図12]

70

	client	interface	VLAN
71-1	clientA1	1	0
71-2	clientA2	1	0
71-3	clientB1	1	0
71-4	clientB2	0	-
71-5	clientC1	2	1
71-6	clientC2	2	1

[図13]

70

```

<?xml version="1.0" encoding="UFT-8" ?>
- <root>
  <vlandev id="clientA1@serverA.relay.net" if="1" vlan="1" /> } 71-1
  <vlandev id="clientA2@serverA.relay.net" if="1" vlan="1" /> } 71-2
  <vlandev id="clientB1@serverB.relay.net" if="1" vlan="1" /> } 71-3
  <vlandev id="clientB2@serverB.relay.net" if="0" vlan="0" /> } 71-4
  <vlandev id="clientC1@serverC.relay.net" if="2" vlan="1" /> } 71-5
  <vlandev id="clientC2@serverC.relay.net" if="2" vlan="1" /> } 71-6
</root>

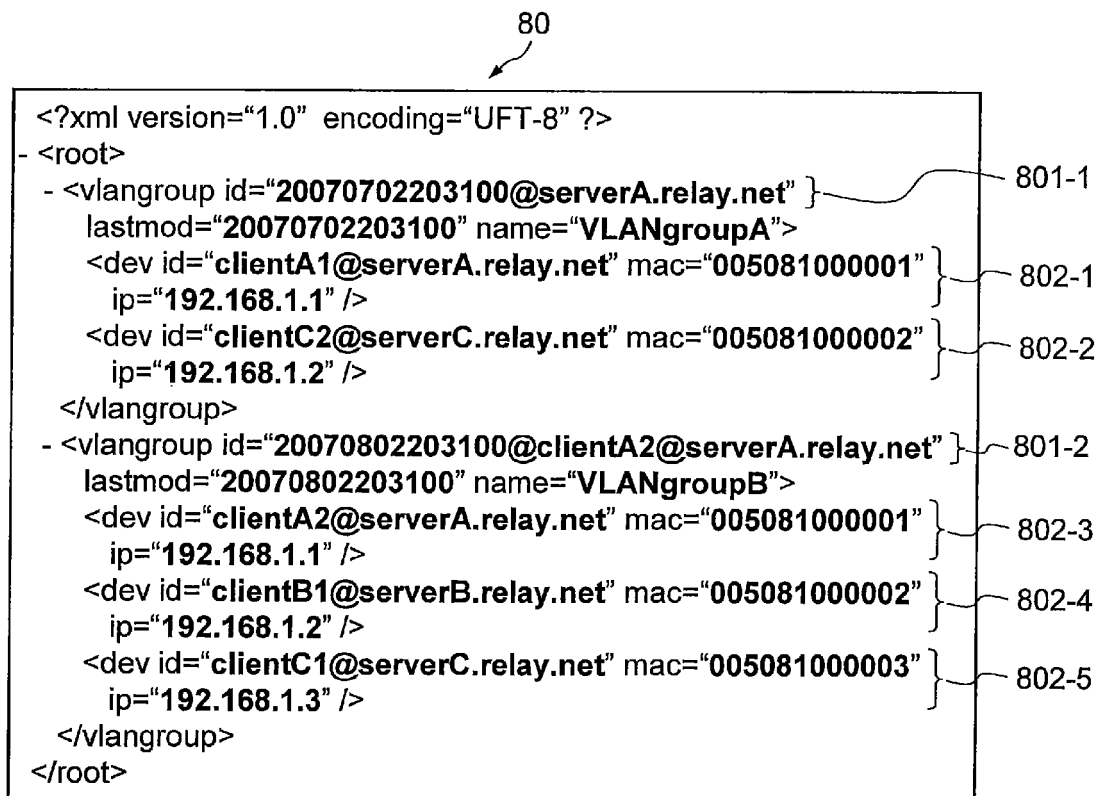
```

[図14]

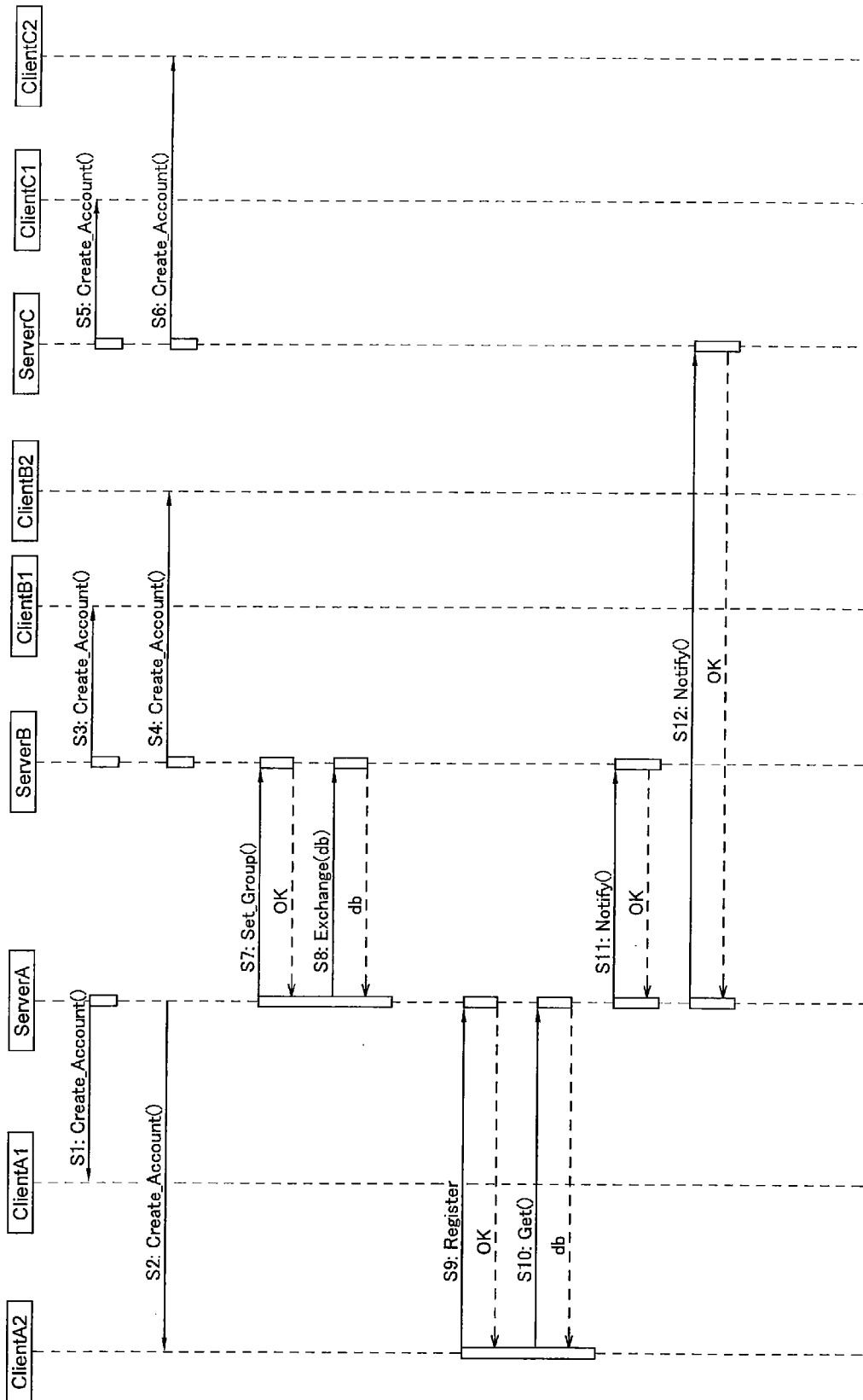
80

group	client	virtual MAC address	virtual IP address
VLAN groupA	clientA1	00-50-81-00-00-01	192.168.1.1
	clientC2	00-50-81-00-00-02	192.168.1.2
VLAN groupB	clientA2	00-50-81-00-00-01	192.168.1.1
	clientB1	00-50-81-00-00-02	192.168.1.2
	clientC1	00-50-81-00-00-03	192.168.1.3

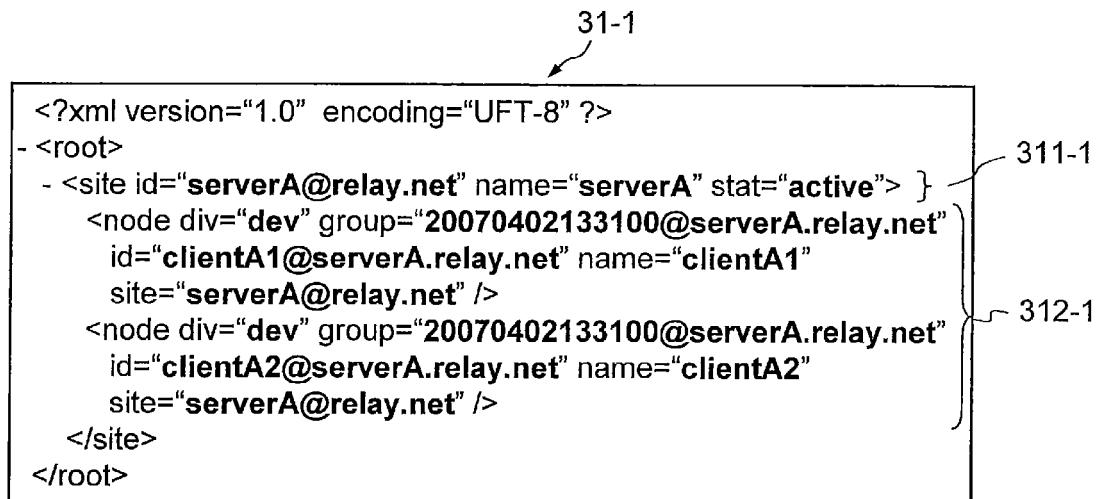
[図15]



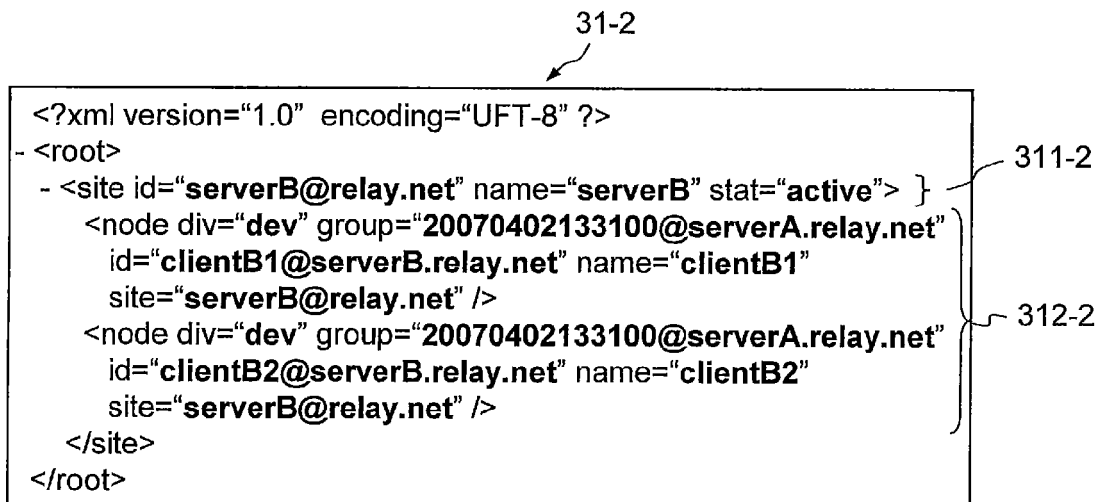
[16]



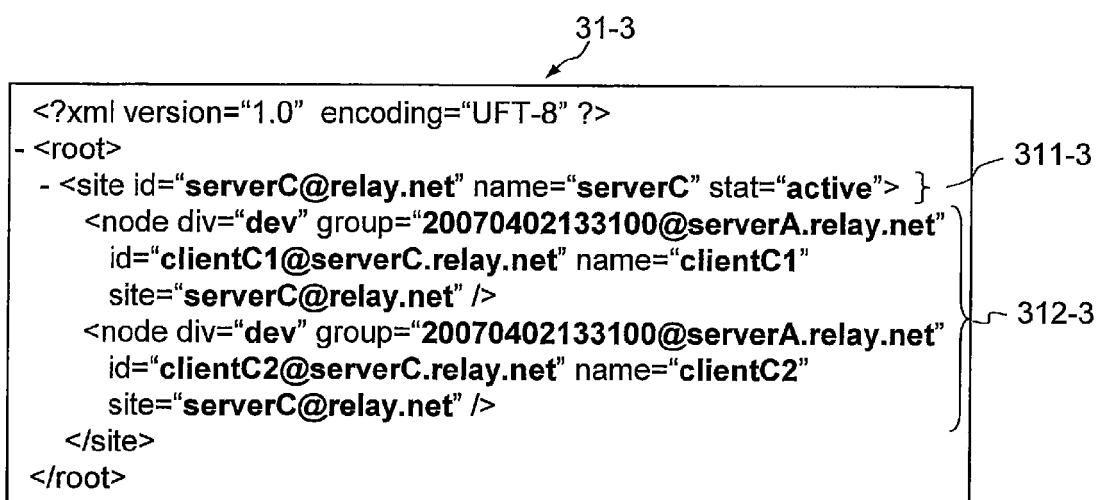
[図17]



[図18]



[図19]

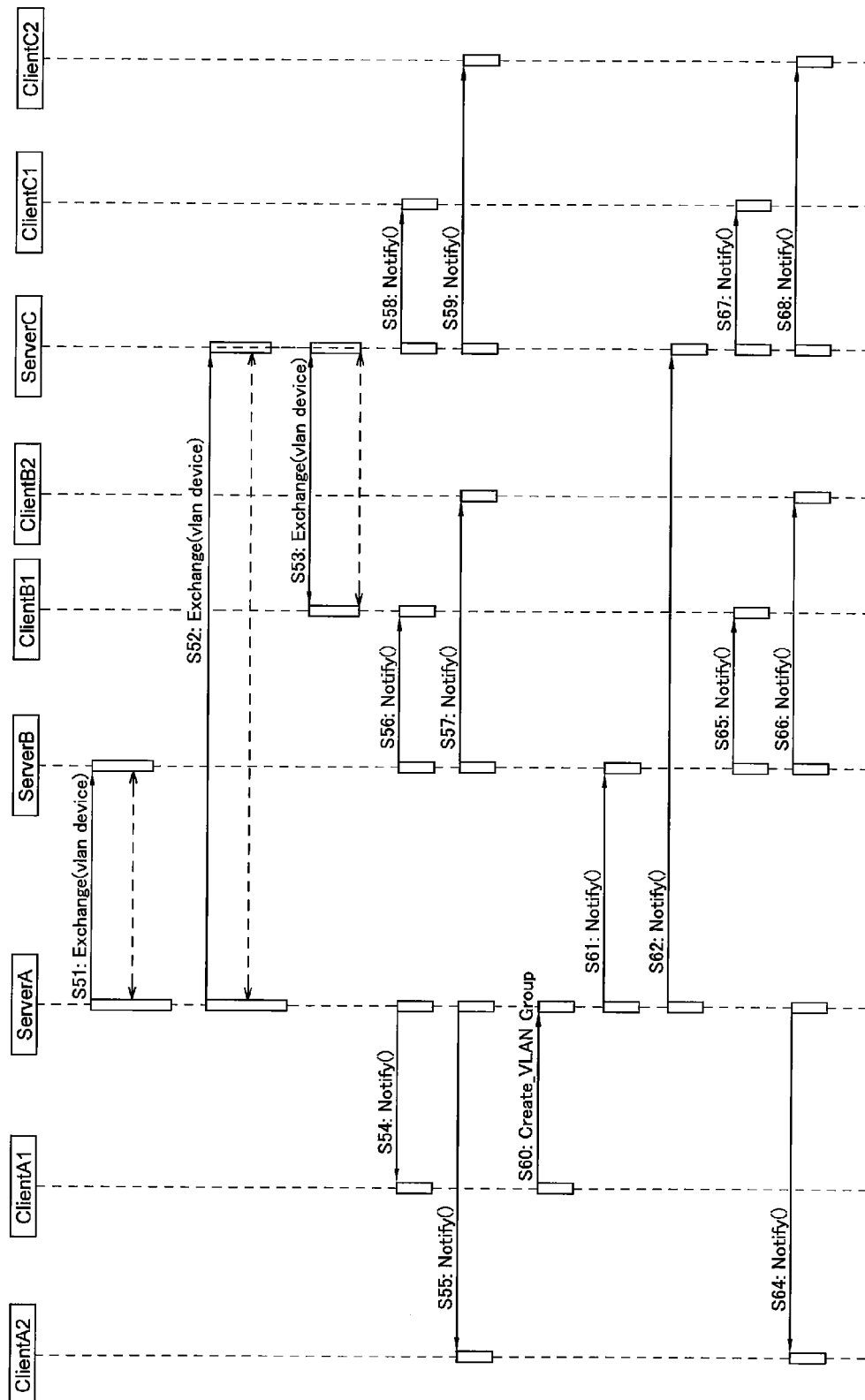


```

sequenceDiagram
    participant ClientA2
    participant ClientA1
    participant ServerA
    participant ServerB
    participant ClientB1
    participant ClientB2
    participant ServerC
    participant ClientC1
    participant ClientC2

    ClientA2->>ServerA: S22: Set_Group (中継グループ情報)
    ServerA->>ClientA1: S22: Set_Group (中継グループ情報)
    ClientA1-->>ServerA: OK
    ServerA->>ServerB: S21: Set_Group (中継グループ情報)
    ServerB->>ClientB1: S21.1: Set_Group (中継グループ情報)
    ClientB1-->>ServerB: OK
    ServerB->>ClientB2: S21.2: Set_Group (中継グループ情報)
    ClientB2-->>ServerB: OK
    ServerB->>ServerC: S21.3: Set_Group (中継グループ情報)
    ServerC->>ClientC1: S21.3.1: Set_Group (中継グループ情報)
    ClientC1-->>ServerC: OK
    ServerC->>ClientC2: S21.3.2: Set_Group (中継グループ情報)
    ClientC2-->>ServerC: OK
    ServerA->>ServerB: S24: Subscribe()
    ServerB->>ClientB1: 中継サーバ情報
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S25: Notify (中継サーバ情報)
    ServerB->>ClientB1: S25: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S28: Notify (中継サーバ情報)
    ServerB->>ClientB1: S28: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S29: Notify (中継サーバ情報)
    ServerB->>ClientB1: S29: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S30: Subscribe()
    ServerB->>ClientB1: 中継サーバ情報
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S31: Notify (中継サーバ情報)
    ServerB->>ClientB1: S31: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S32: Notify (中継サーバ情報)
    ServerB->>ClientB1: S32: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S33: Subscribe()
    ServerB->>ClientB1: 中継サーバ情報
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S34: Notify (中継サーバ情報)
    ServerB->>ClientB1: S34: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S35: Notify (中継サーバ情報)
    ServerB->>ClientB1: S35: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S36: Subscribe()
    ServerB->>ClientB1: 中継サーバ情報
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S37: Notify (中継サーバ情報)
    ServerB->>ClientB1: S37: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S38: Notify (中継サーバ情報)
    ServerB->>ClientB1: S38: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S39: Subscribe()
    ServerB->>ClientB1: 中継サーバ情報
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S40: Notify (中継サーバ情報)
    ServerB->>ClientB1: S40: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
    ServerA->>ServerB: S41: Notify (中継サーバ情報)
    ServerB->>ClientB1: S41: Notify (中継サーバ情報)
    ClientB1-->>ServerB: OK
  
```

[図21]



[図22]

