

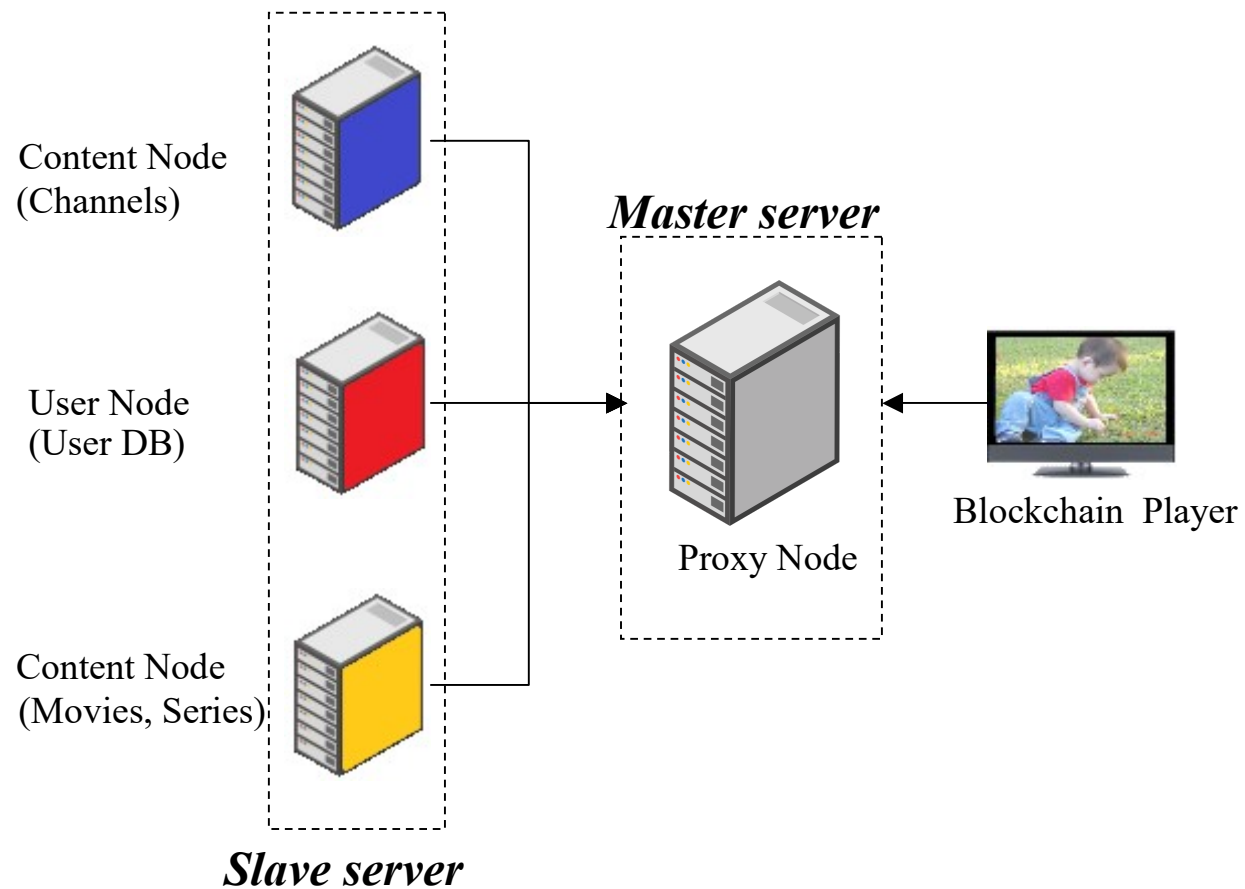
Ezserver Blockchain

Server Configuration

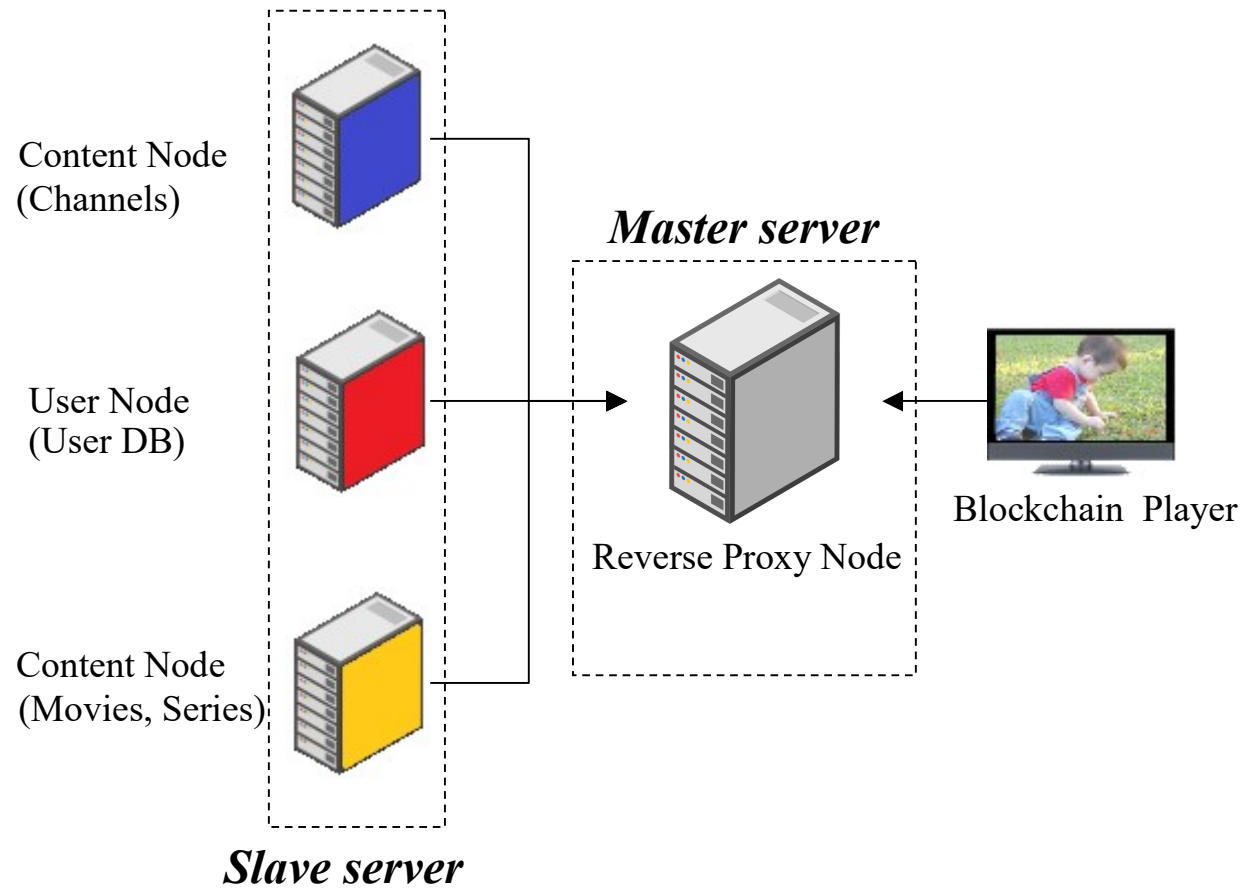
Blockchain Architecture Type

- Type 1
 - Use Proxy server to protect users and content servers.
- Type 2
 - Use Reverse Proxy server to protect a users server.
- Type 3
 - Users Server acts Main server.
- Type 4
 - Users, Content are in one server.

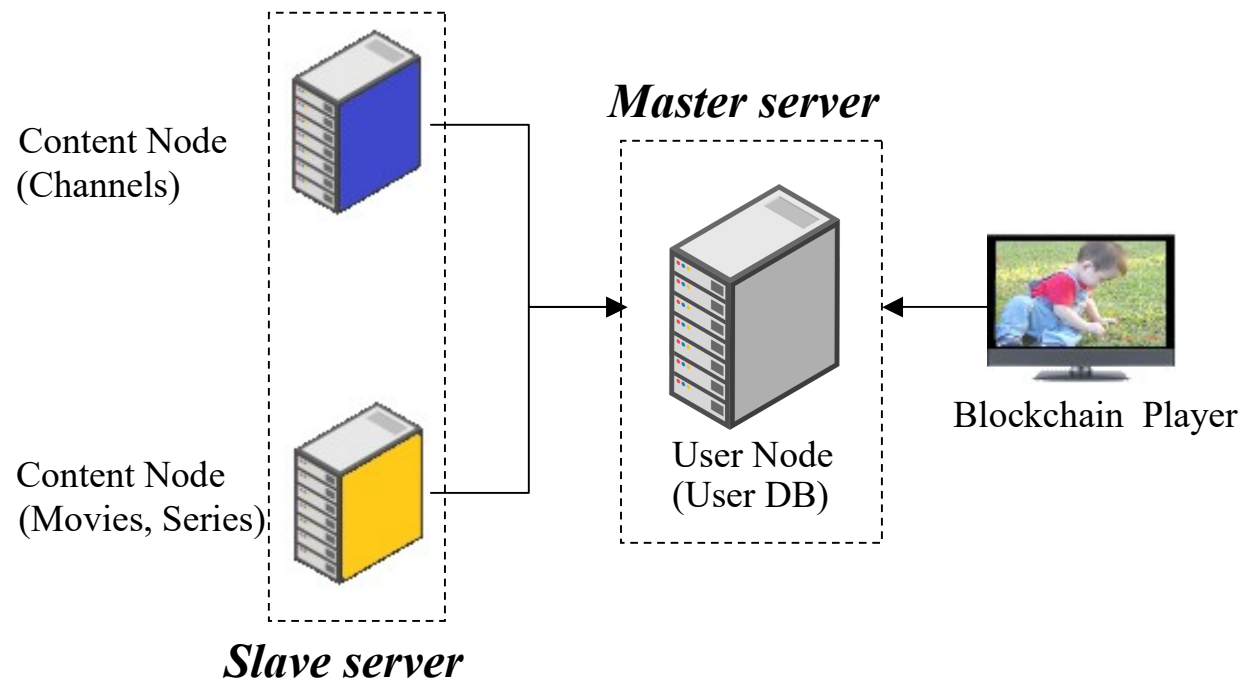
Blockchain Architecture Type 1



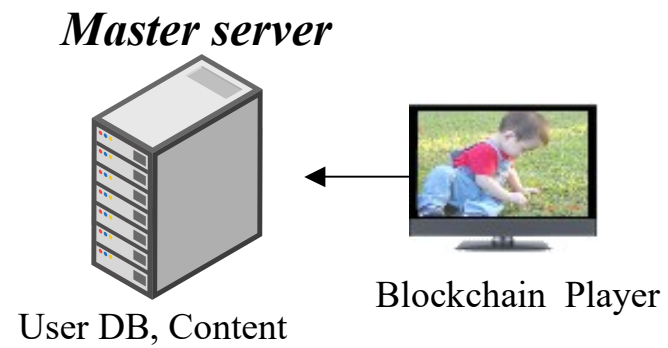
Blockchain Architecture Type 2



Blockchain Architecture Type 3

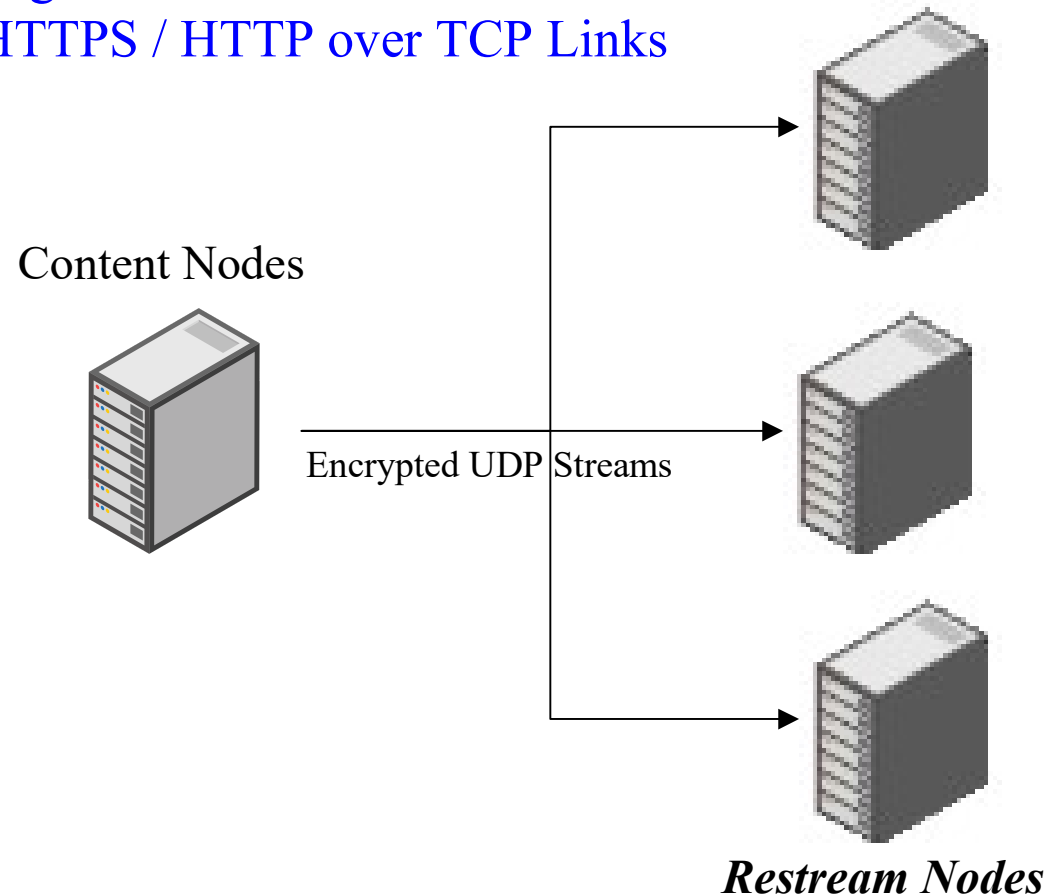


Blockchain Architecture Type 4



Blockchain Architecture Type 5

Restreaming channels does not use
exposed HTTPS / HTTP over TCP Links



Master Server / Slave Server Roles

- **Master Server Type**

- Proxy Server, Reverse Proxy Server, User Server


- **Slave Server Type**


- User Server, Content Server

- Only User server can act Master or Slave Server
- Only one Master Server in Blockchain
- Only one User server in Blockchain
- Allow Multiple Content Servers as Slave Server
- Master and Slave Server must have same Group ID

Master Server Setting

- Login Master Panel
- Click Management:Setting
- Enable Main/Slave Node
- Set Control port: 17100 (default)
- Set Group ID: 18000(default)
- Restart Master Server (./restart.sh in ssh console)

Main / Slave Node ☒ 

Control port  Group ID

Proxy Server Setting (Type 1)

- Add proxy_server=1 in **ezserver_blockchain/ezserver_config.txt**
- Delete all users except root and channels, movies and series.
- Enable Main/Slave Node
- Set Control port: 17100 (default)
- Restart Master Server (./restart.sh in ssh console)



Reverse Proxy Server Setting (Type 2)

- Delete all users except root and channels, movies and series.
- Enable Main/Slave Node
- Set Control port: 17100 (default)
- Restart Master Server (./restart.sh in ssh console)



User Master Server Setting (Type 3)

- Delete channels, movies and series.
- Enable Main/Slave Node
- Set Control port: 17100 (default)
- Restart Master Server (./restart.sh in ssh console)

Main / Slave Node ☒

Control port

Slave Server Setting

- Login Slave Panel
- Delete all users except root
- Click Management:Setting
- Disable Main/Slave Node
- Set Master Domain name or IP
- Set Master Control port: 17100
- Set Group ID same as Master Server
- Restart Slave Server (./restart.sh in ssh console)

Main / Slave Node	<input type="checkbox"/>	
Main Node Domain Name / IP	<input type="text" value="www.your_domain_name.com"/>	Group ID <input type="text" value="18000"/>
Main Control port	<input type="text" value="17100"/>	

User Slave Server Setting (Type 1 / 2)

- Login Slave Panel
- Delete channels, movies and series.
- Click Management:Setting
- Disable Main/Slave Node
- Set Master Domain name or IP
- Set Master Control port: 17100
- Restart Slave Server (./restart.sh in ssh console)

Main / Slave Node	<input checked="" type="checkbox"/>	
Main Node Domain Name / IP	<input type="text" value="www.your_domain_name.com"/>	
Main Control port	<input type="text" value="17100"/>	

Content Server Setting

- Login Slave Panel
- Delete all users except root.
- Click Management:Setting
- Disable Main/Slave Node
- Set Master Domain name or IP
- Set Master Control port: 17100
- Restart Slave Server (./restart.sh in ssh console)

Main / Slave Node	<input type="checkbox"/>	
Main Node Domain Name / IP	<input type="text" value="www.your_domain_name.com"/>	
Main Control port	<input type="text" value="17100"/>	

Open Firewall Ports

- TCP ports
 - HTTP / HTTPS Panel port (18000/18443)
 - HTTP / HTTPS API port (17000/17443)
 - HTTP / HTTPS Streaming Port (8000/443)
- All UDP ports

Blockchain Server Verification

- Login Master Panel
- Click Connection:Manage Node
- Check Node list

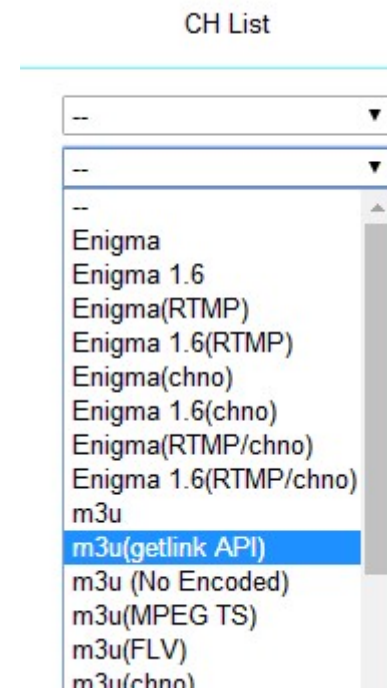
Nodes

No.	Type	IP	Region	Group ID
1	User Server	51.75.72.169	Europe	18000
2	Content Server	51.75.72.168	Europe	18000
3	Content Server	51.75.72.167	Europe	18000

Showing 1 to 3 of 3 nodes

Blockchain Content Testing

- Login Master Panel
- Click Users:Manage Users
- Select one user: getlink option
- Use VLC to test getlink URL



Blockchain Player Testing

- Login Panel to add one user
- Install Blockchain Player into Android device
- Open Blockchain player and click User button
- Select Login User/Password option

