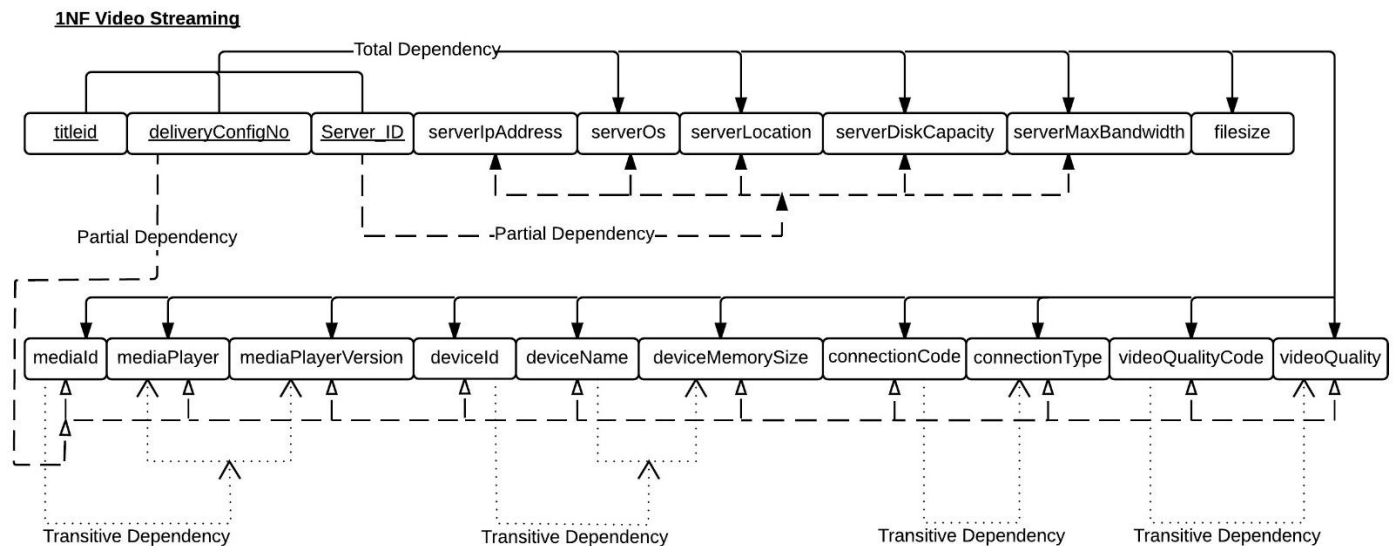


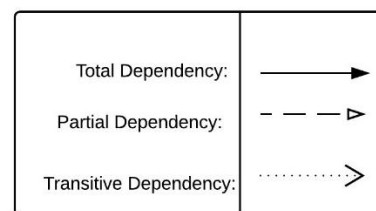
UNF Video Streaming:

(titleId, fileSize, serverId, serverIpAddress, serverOs, serverLocation, serverDiskCapacity, serverMaxBandwidth, deliveryConfigNo, mediaId, mediaPlayer, mediaPlayerVersion, deviceId, deviceName, deviceMemorySize, connectionCode, connectionType, videoQualityCode, videoQuality)

Dependency Diagram:



Note: The above two rows are part of one table only that I will normalize.



1NF: Assigning Primary Key

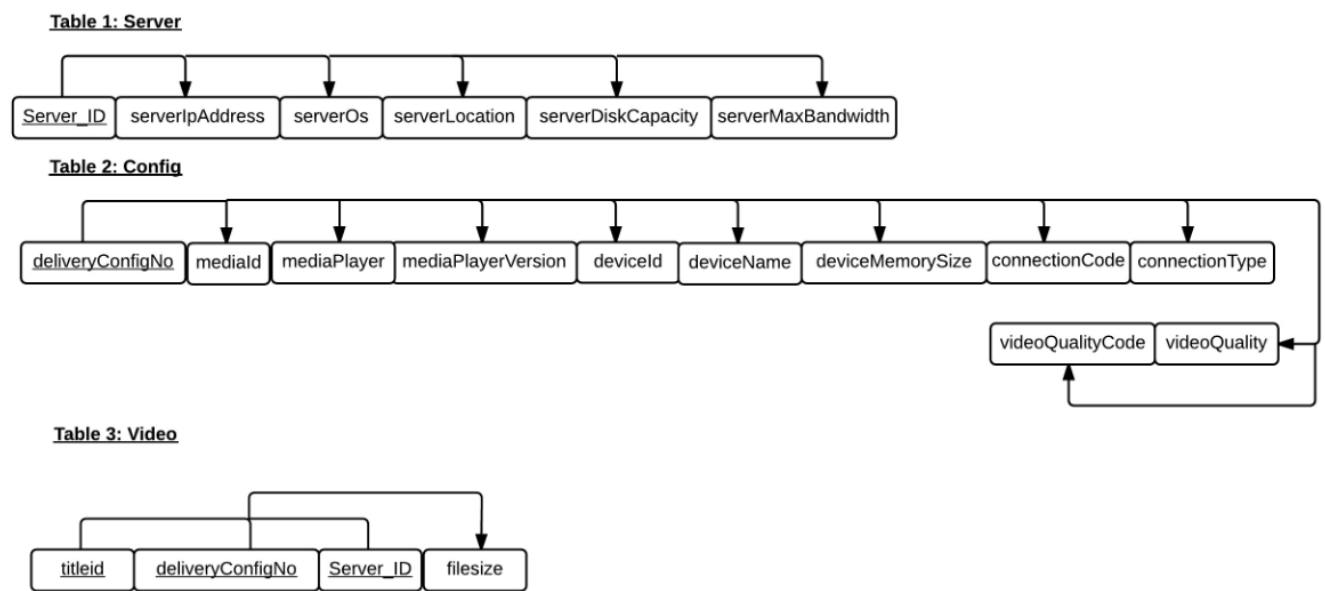
Video (titleId, fileSize, serverId, serverIpAddress, serverOs, serverLocation, serverDiskCapacity, serverMaxBandwidth, deliveryConfigNo, mediaId, mediaPlayer, mediaPlayerVersion, deviceId, deviceName, deviceMemorySize, connectionCode, connectionType, videoQualityCode, videoQuality)

2NF: Removing Partial Dependency

Video (titleId, serverId, deliveryConfigNo, fileSize)

Server (serverId, serverIpAddress, serverOs, serverLocation, serverDiskCapacity, serverMaxBandwidth)

Config (deliveryConfigNo, mediaId, mediaPlayer, mediaPlayerVersion, deviceId, deviceName, deviceMemorySize, connectionCode, connectionType, videoQualityCode, videoQuality)



3NF: Removing Transient Dependency

Video (titleId, serverId, deliveryConfigNo, fileSize)

Server (serverId, serverIpAddress, serverOs, serverLocation, serverDiskCapacity, serverMaxBandwidth)

Config(deliveryConfigNo, mediaId, deviceId, connectionCode, videoQualityCode)

Media_Player (mediaId, mediaPlayer, mediaPlayerVersion)

Connection (connectionCode, connectionType)

Video_Type (videoQualityCode, videoQuality)

Device (deviceId, deviceName, deviceMemorySize)

Table 1: Server

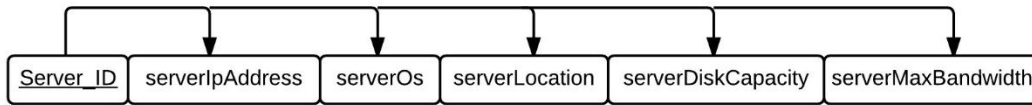


Table 2: Video

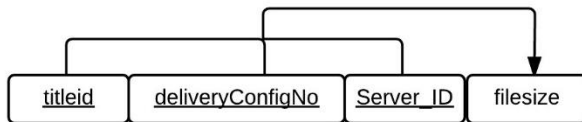


Table 3: Config

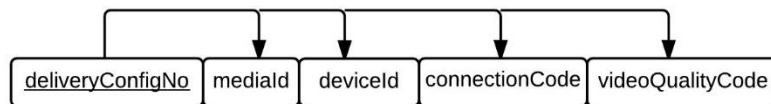


Table 4: Media Player

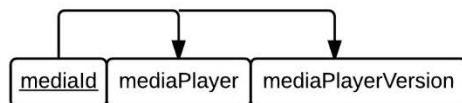


Table 4: Connection

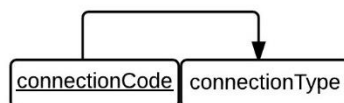


Table 5: Device

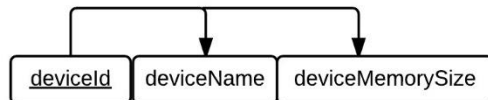


Table 6: Video Type

