Smooth Evolution to cloud-native and 5G support
Optimized Investment strategy – reuse of key network functions

Shared Data Layer (UDR)

U_d

Cloud Transformation

Data-less business logic VNF
Nokia HSS VNF
One-EIR VNF
One-MNP VNF
IMS/EPC VNF (stateless)
3rd Party Apps VNF

Cloud Transformation and 5G evolution

Shared Data Layer (UDR/UDSF)

U_d + Nudr + Nudsfl

Target

Cloud Transformation and full 5G evolution

Data-less business logic VNF
Nokia Registers CNF
One-EIR CNF
One-MNP VNF
IMS/EPC/5GC VNF
3rd Party Apps VNF

Start

One-NDS (UDR)

Pre-5GC

U_d

Data-less business PNF
Nokia HSS PNF
One-EIR PNF
One-MNP PNF
... 3rd Party Apps PNF

Bare metal

Nokia Registers CNF
One-EIR CNF
One-MNP VNF
IMS/EPC/5GC VNF
3rd Party Apps VNF

5GC

One-NDS (UDR)

Applications (Bare metal and Cloud)
• Nokia Registers
• One-EIR
• One-MNP

Nokia SDM for 2G/3G/4G/5G

Optimized Investment strategy – reuse of key network functions

Smooth Evolution to cloud-native and 5G support