Survivable Network Design
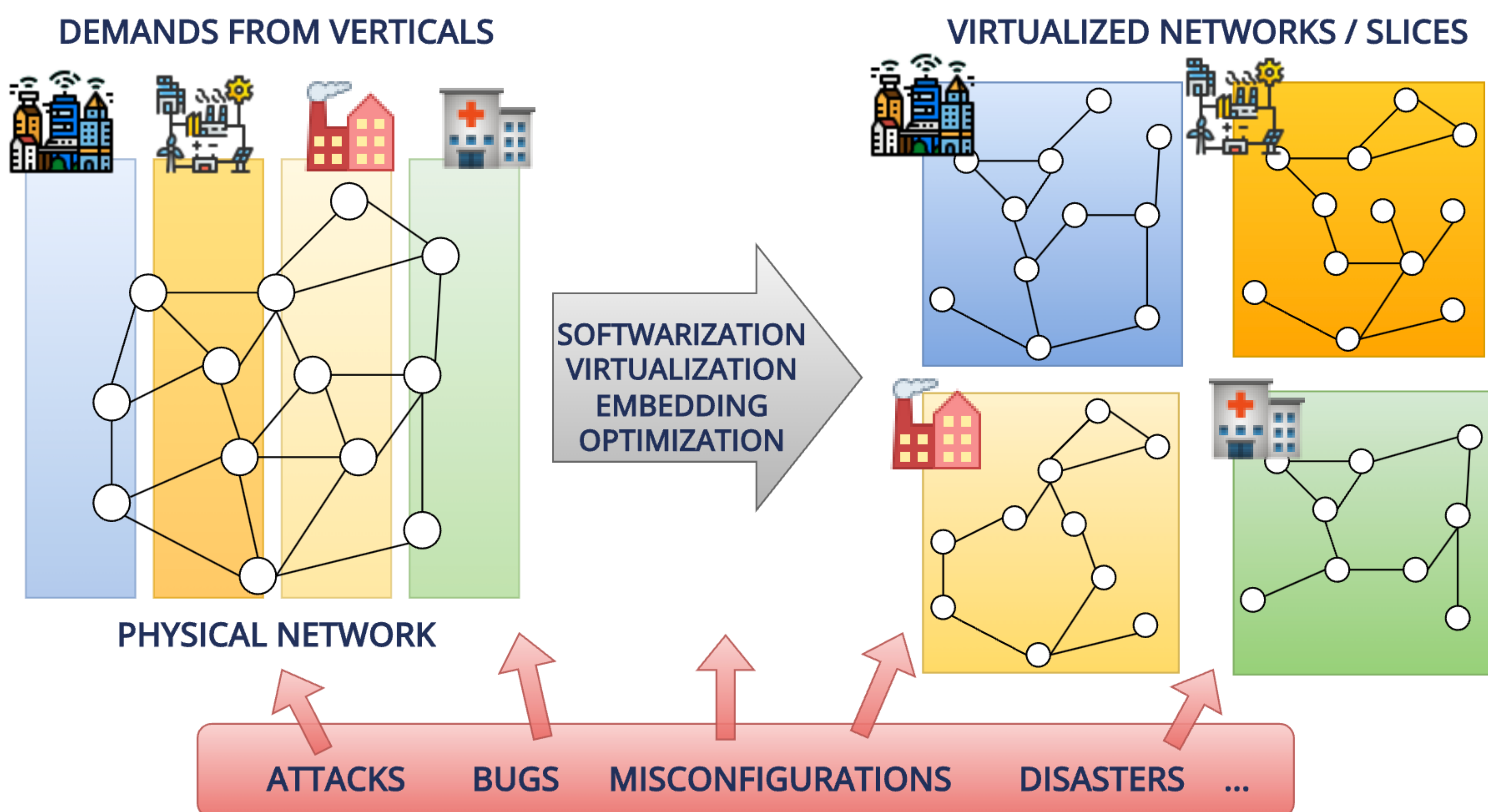
How can we leverage *softwarization and virtualization* to make networks **survivable**?

DEMANDS FROM VERTICALS

VIRTUALIZED NETWORKS / SLICES

SOFTWARIZATION
VIRTUALIZATION
EMBEDDING
OPTIMIZATION

PHYSICAL NETWORK

ATTACKS   BUGS   MISCONFIGURATIONS   DISASTERS   ...

In networks such as 5G and beyond, virtualization *enhances flexibility* but *increases complexity.*

1. Leverage the *flexibility* to make survivable solutions

2. Assess and mitigate the risks that *complexity* introduces

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