

SAP HANA @ BOSCH

AN INFRASTRUCTURE STORY

SPECTRUM SCALE USER MEETING 2017

SPEAKER:
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Robert Bosch GmbH – Introduction

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How do we implement SAP HANA?

BOSCH – TECHNOLOGY TO ENHANCE QUALITY OF LIFE



Bosch – technology to enhance quality of life



- ▶ Some 56,000¹ researchers and developers work at Bosch: at 118² locations worldwide, in a single network.
- ▶ Bosch is one of the world's leading international providers of technology and services.
- ▶ Over the past five years, Bosch has invested more than 24 billion euros in research and development.
- ▶ Our objective: to develop innovative, useful, and exciting products and solutions to enhance quality of life – technology that is “Invented for life.”

¹ As of 12.15 ² R&D locations with >50 associates, as of 12.15

Bosch – Key Figures

Markets and figures for 2015*

Bosch Group

- ▶ 70.6 billion euros in sales
- ▶ 374,778 associates

- ▶ 276 manufacturing sites

Europe

- ▶ 53% share of sales
- ▶ 229,599 associates
- ▶ 162 manufacturing sites



Americas

- ▶ 20% share of sales
- ▶ 41,037 associates
- ▶ 39 manufacturing sites



Asia Pacific¹

- ▶ 27% share of sales
- ▶ 104,142 associates
- ▶ 75 manufacturing sites



CI

CORPORATE SECTOR INFORMATION SYSTEMS AND SERVICES



CI Corporate Sector Information
Systems & Services

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CI – Corporate Sector Information Systems & Services

Key Figures*

Employees: 3.762 worldwide
Budget: 912 Mio. €

Main Locations

EU: Stuttgart, Warsaw
AP: Shanghai, Singapore
AM: Chicago, Campinas



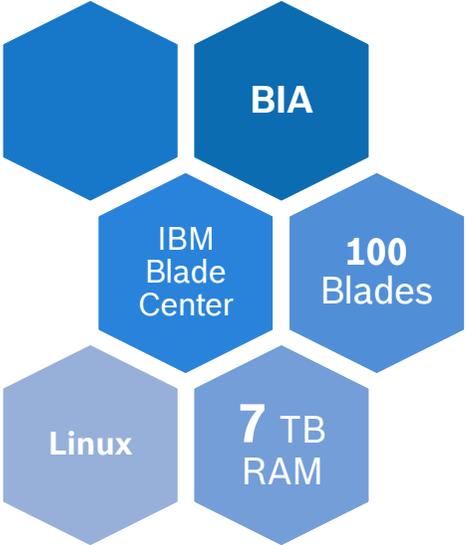
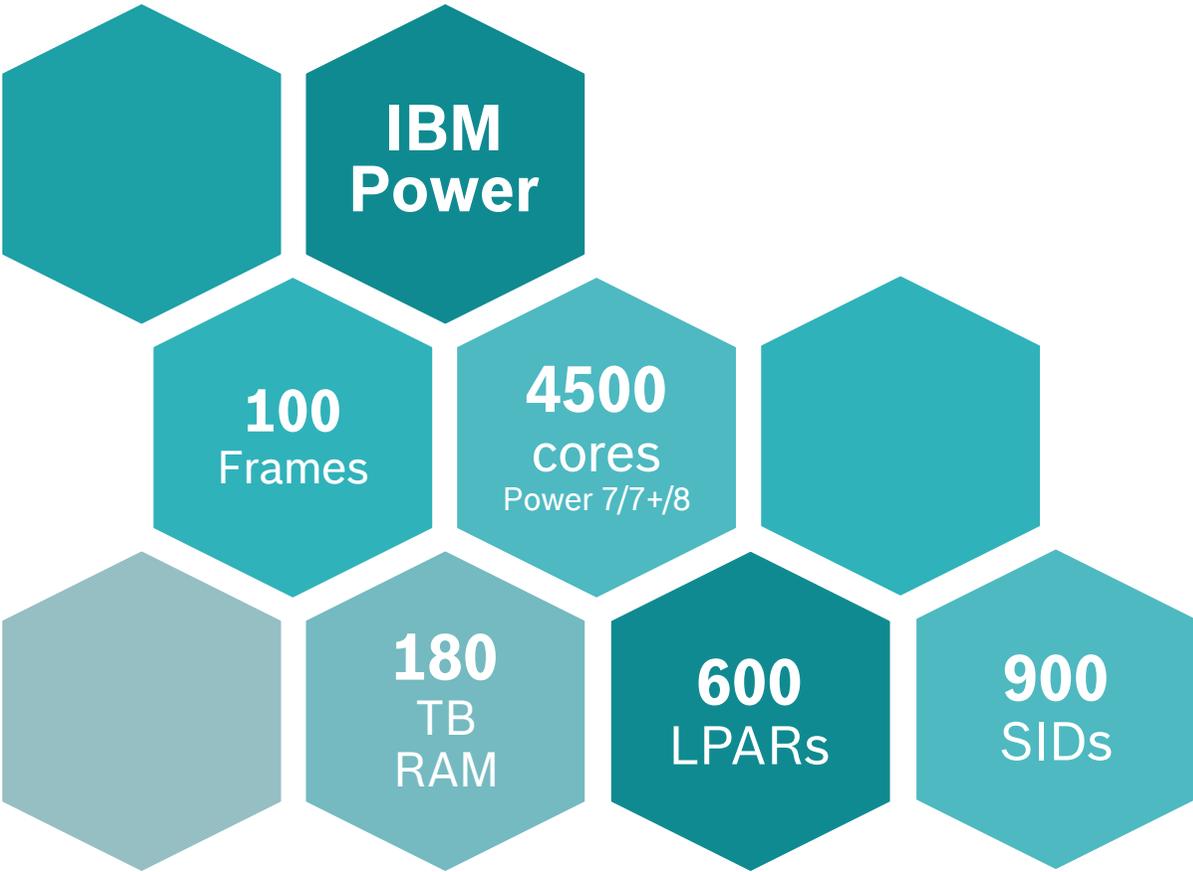
Main Tasks

- Evaluation of new technologies (IT trends and standards)
- Implementation of Bosch-wide IT architecture
- Professional consulting
- Development, support and operation of IT solutions
- Operation and support of IT-infrastructure
- Company-wide governance function for IT

* 2015

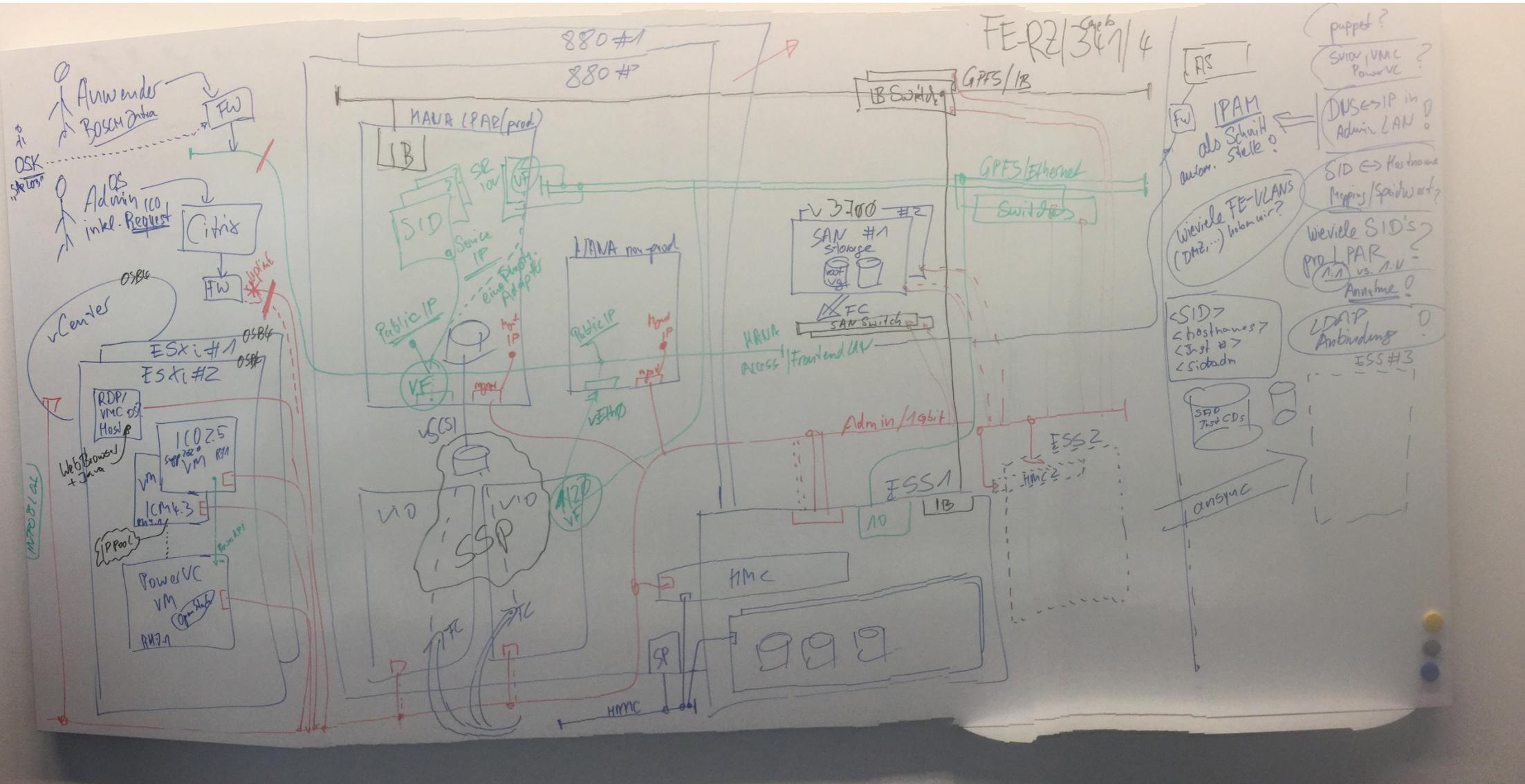
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Our SAP Landscape today



HOW TO IMPLEMENT IT





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The Criteria



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Solution Stack – Analogy to HPC

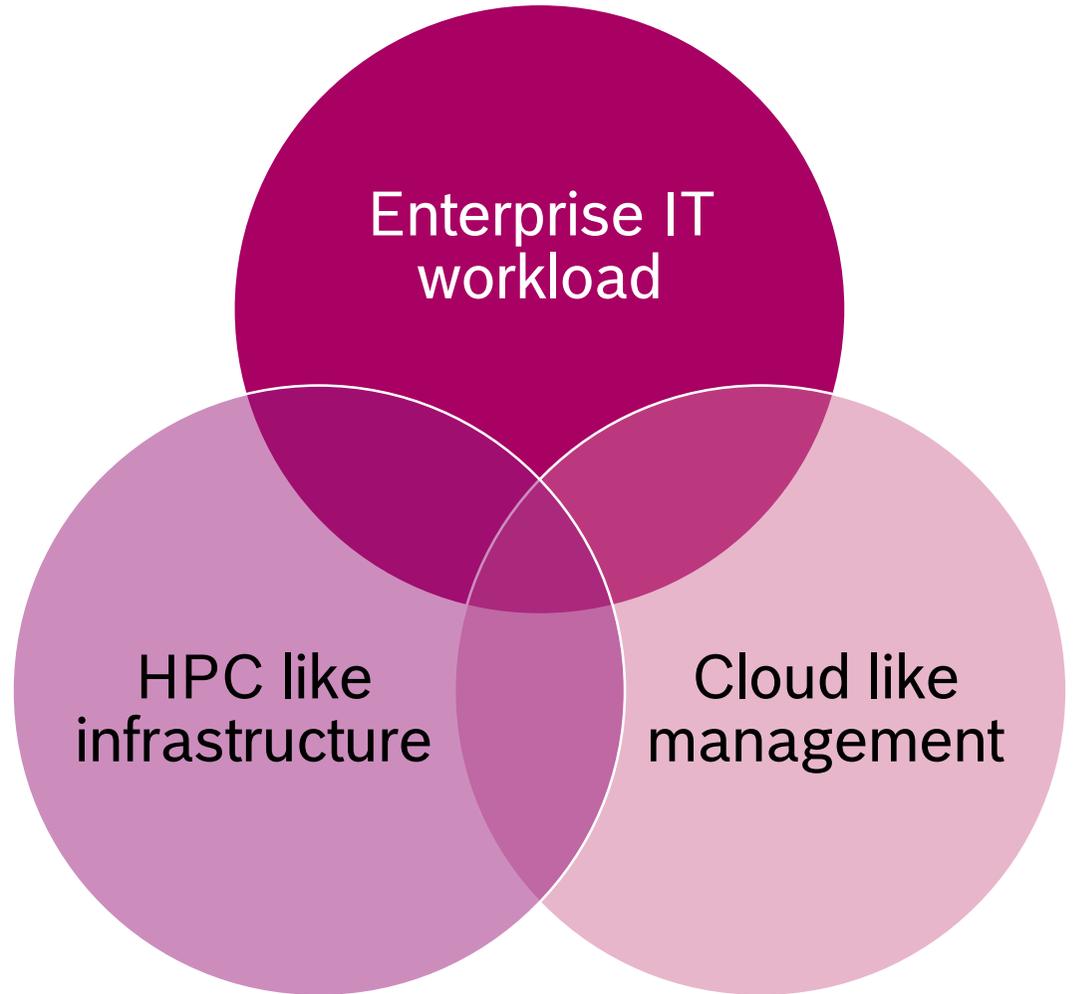
Multiple IP networks

Infiniband as data network

Spectrum Scale ESS as storage

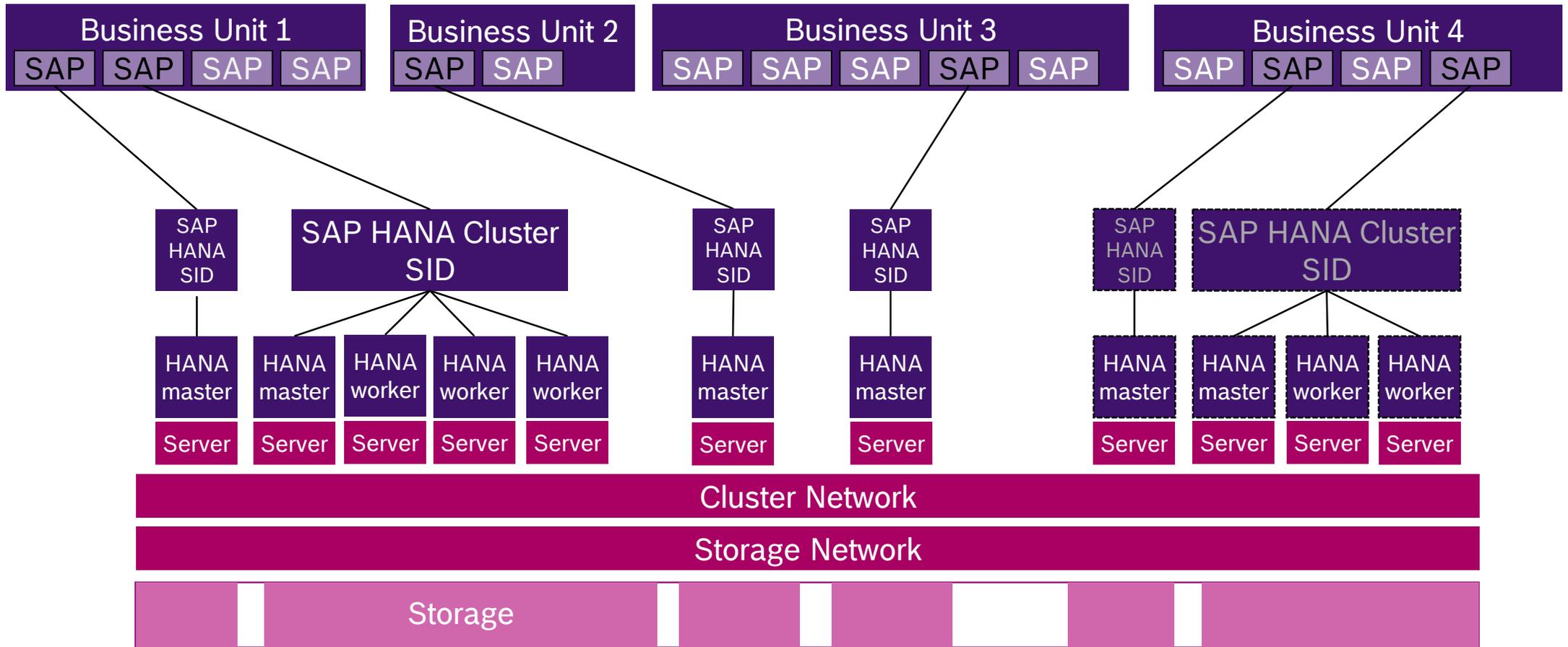
VIOS and PowerVM

Storwize with FC as boot storage



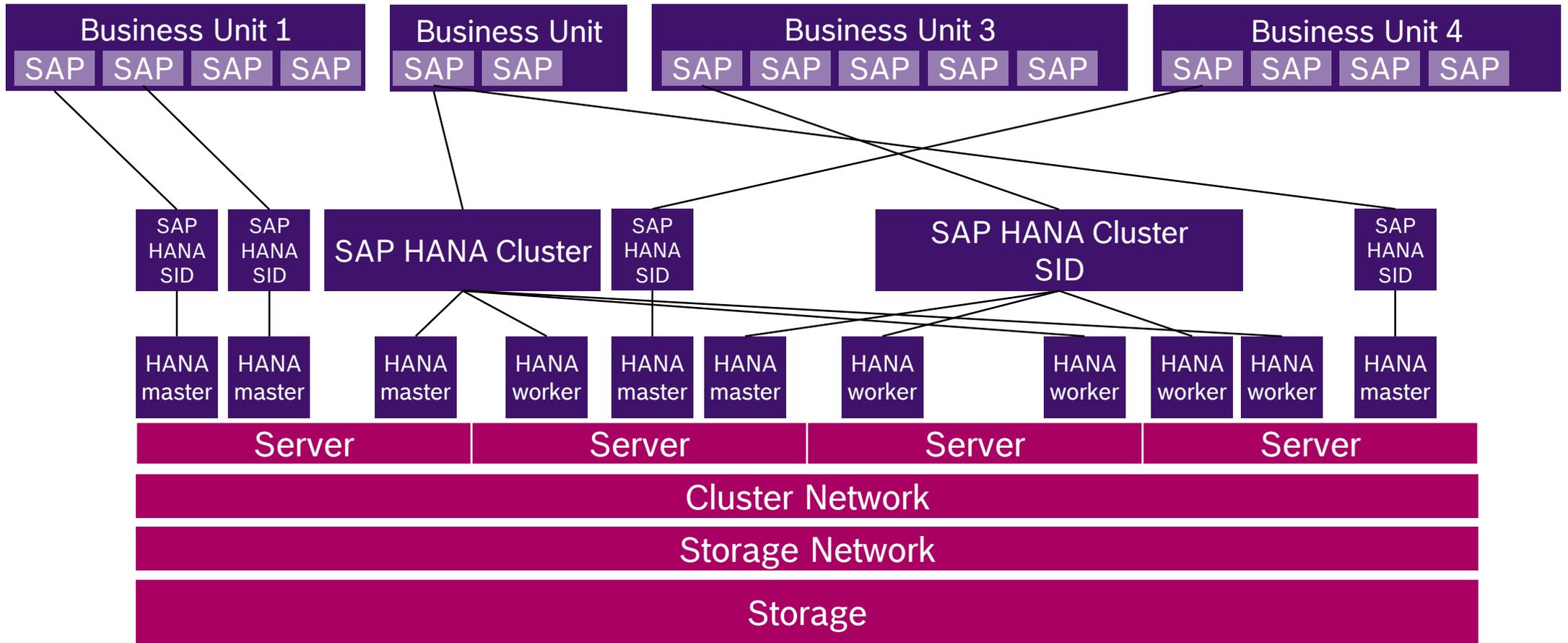
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HANA System Landscape – How it could be



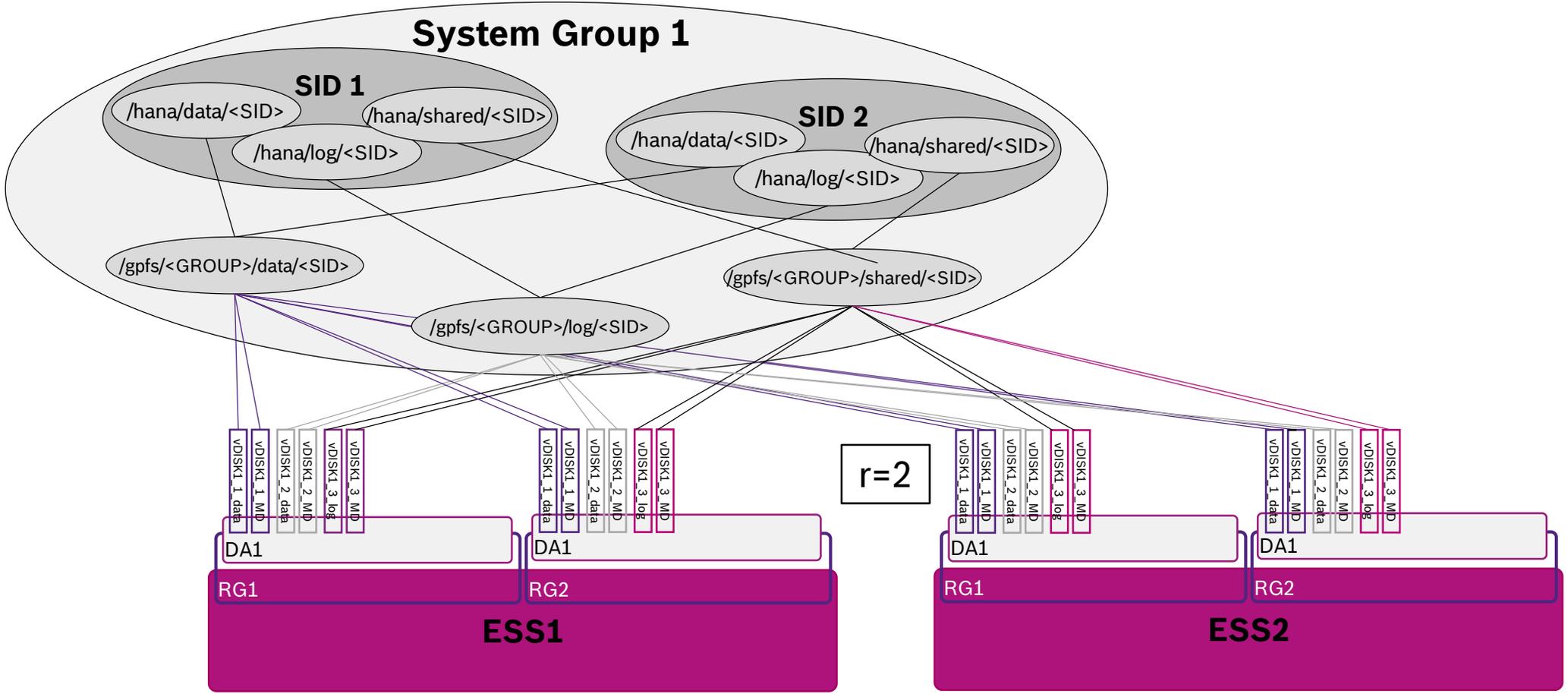
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HANA System Landscape – How we do it



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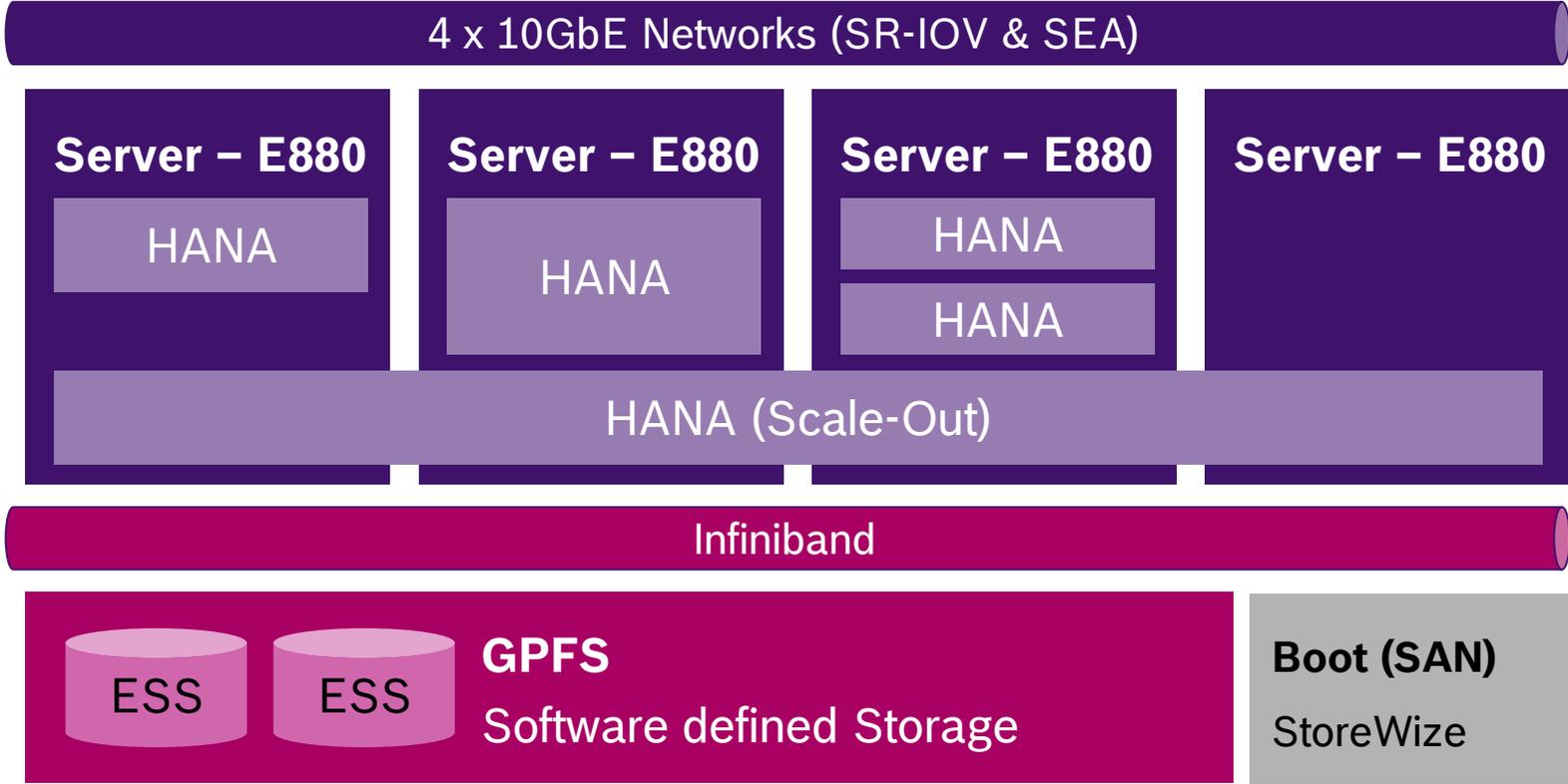
HANA System Landscape – Storage View



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Architecture

Infrastructure
ICO
HMC...



THANK
YOU