

# Week 4 Unit 5: Looking Ahead





# Looking Ahead

## Outline

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### Content

- Recap
- Lab Preview
- More Information



# Looking Ahead

## Recap: Code-to-Data Paradigm

### In-memory computing imperative:

- Avoid (unnecessary) movement of large data volumes
- Perform data-intensive calculations in the database

#### Today:

Data-intensive computations in application layer

calculate

Application Layer



Data Layer

calculate

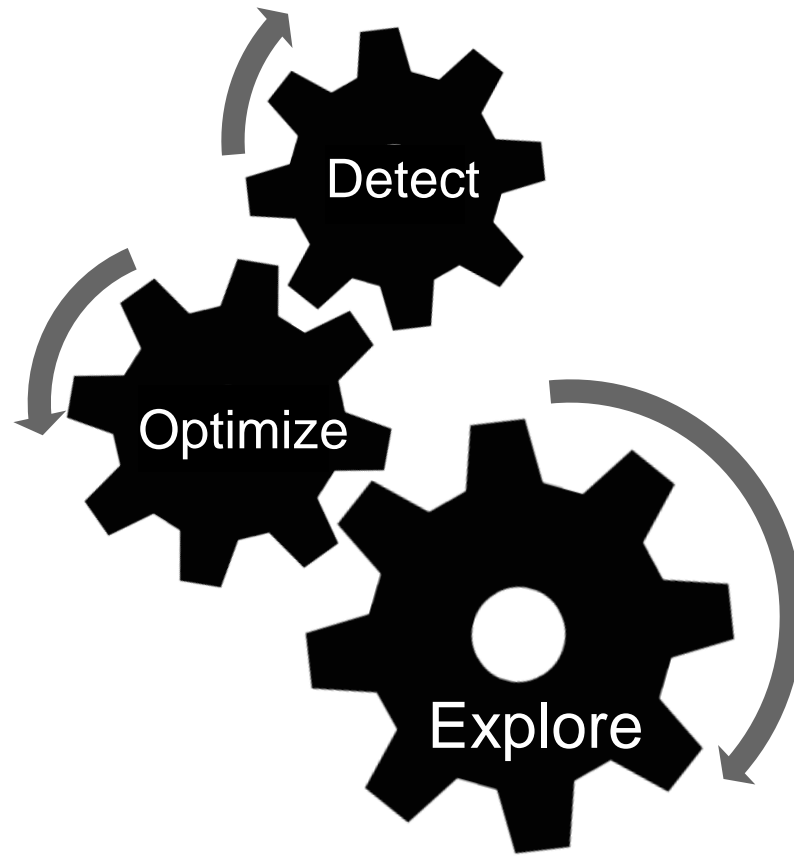
#### SAP HANA:

Delegate data-intensive operations to data layer

# Looking Ahead

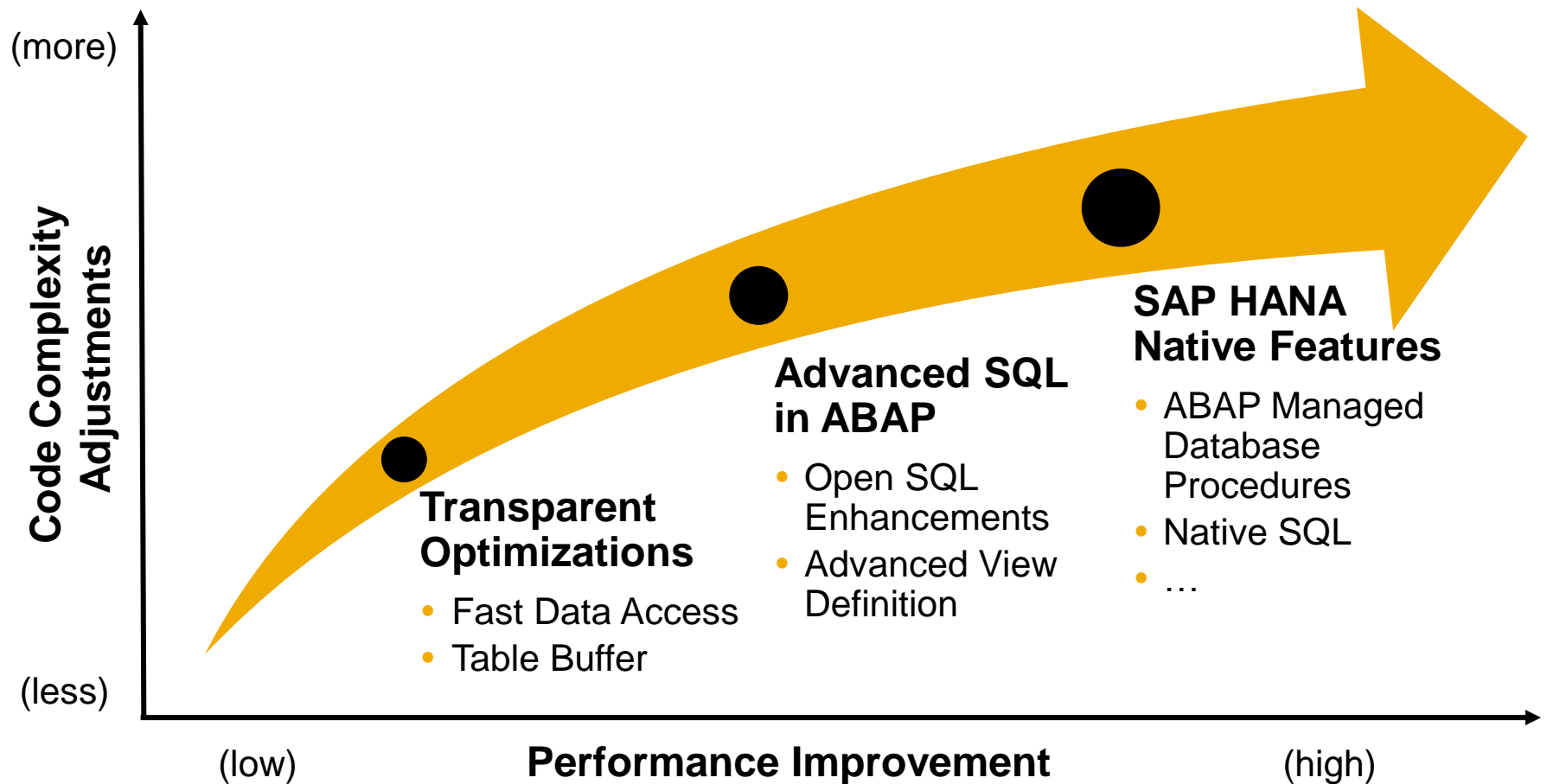
Recap: Migration to SAP HANA & Code-to-Data Capabilities

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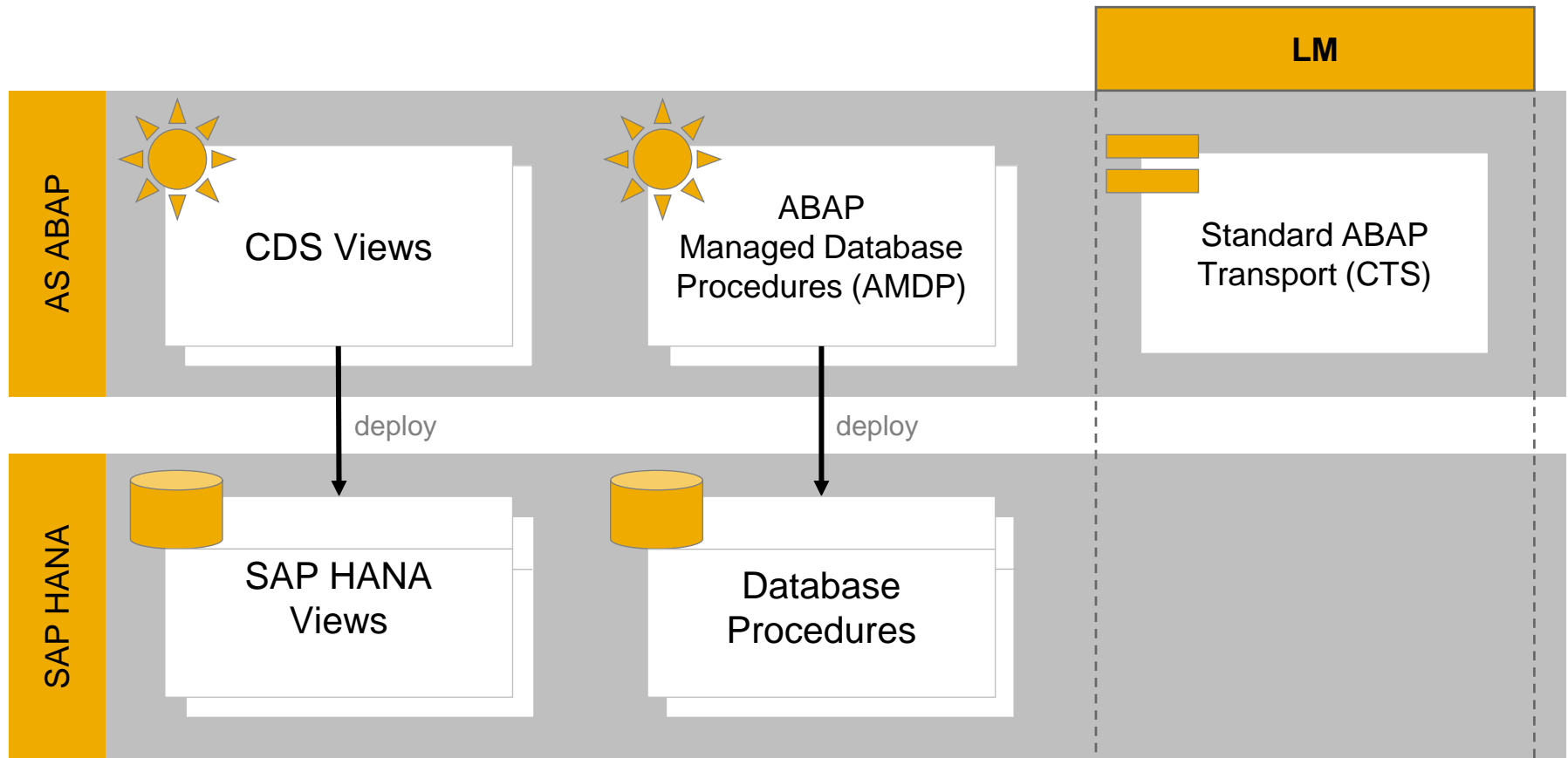
# Looking Ahead

## Recap: Performance Improvements vs. Code Adjustments



# Looking Ahead

Recap: Top-Down Approach ( $\geq$  NW AS ABAP 7.40 SP05)



# Looking Ahead

## Lab Preview – Where Are We Heading?

1

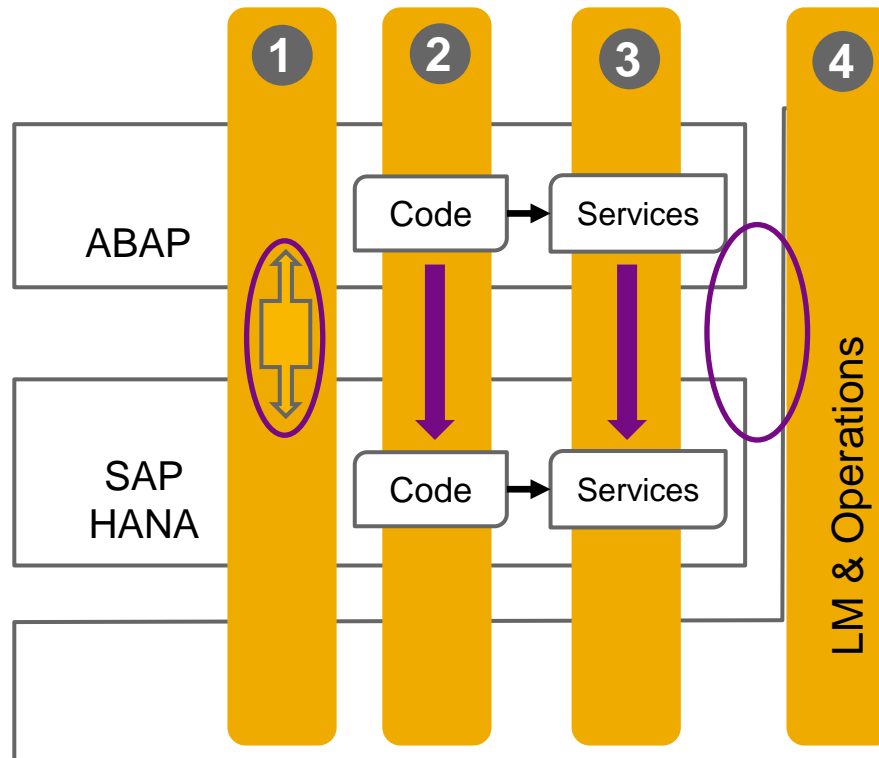
### Optimized Data Transfer

- Fast data access
- `SELECT ... FOR ALL ENTRIES`
- Data exchange for stored procedures

2

### Code Pushdown

- Type harmonization
- CDS views
- Database procedures and functions



3

### Service Pushdown

- Number ranges, GUIDs
- Enqueue service
- Calendars (factory, fiscal)

4

### Improved Operations

- Co-deployment
- Aligned HA setup
- Zero downtime mgmt
- Workload mgmt

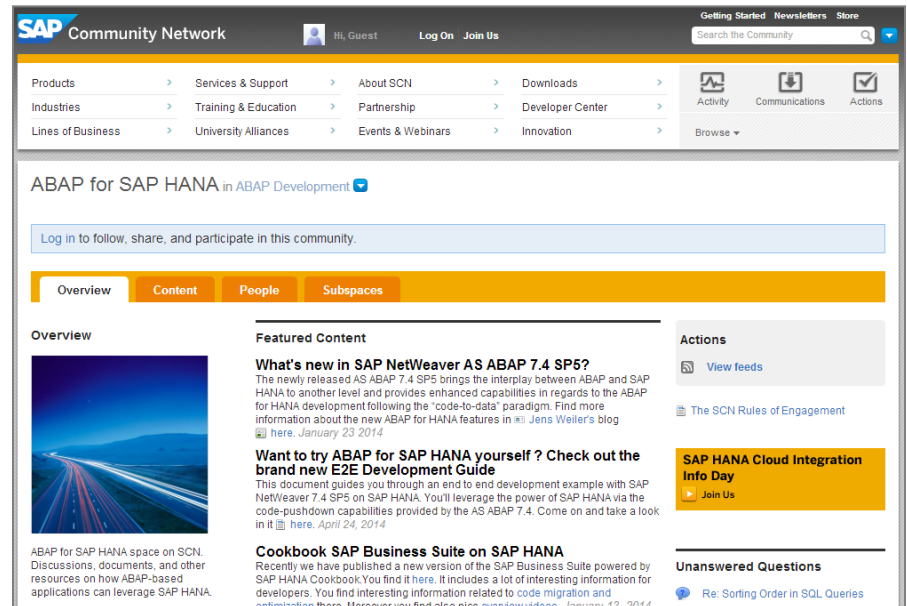
# Looking Ahead

## More Information

## Learn more about ABAP Development for SAP HANA

- [SAP Training and Certification Shop](#)
- [SAP HANA Academy](#)
- SAP Community Network ([SCN](#)):
  - Reference Scenario:  
<http://scn.sap.com/docs/DOC-35518>  
(including guides, how-tos, video tutorials, ...)
  - Video Tutorials:  
<http://scn.sap.com/docs/DOC-47994>
  - [ABAP YouTube Channel](#)

Join the  
[ABAP for SAP HANA Community](#)





# Looking Ahead

## ABAP for SAP HANA CodeJam Events

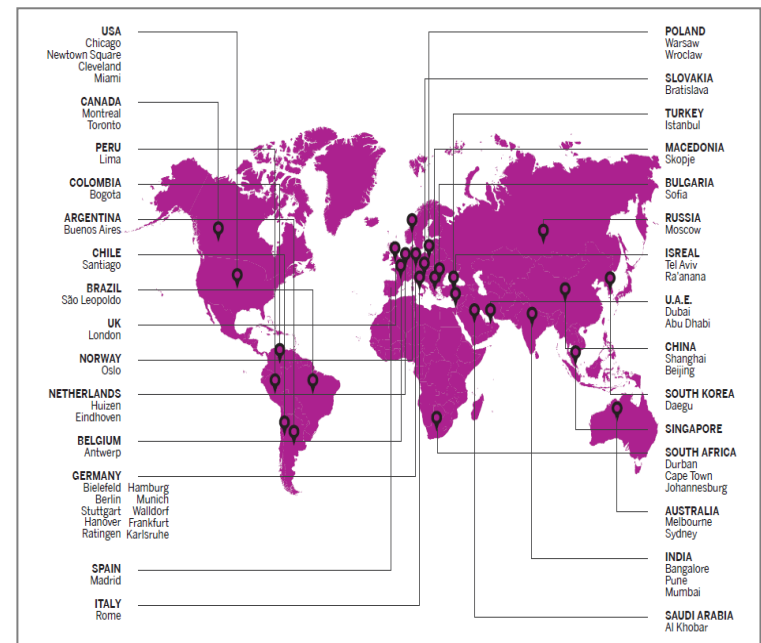
**Want to meet with ABAP for SAP HANA experts?**

**Join a 5 – 6 hour hands-on coding and networking event aimed at the developer community!**

**Find more information here:**

- SAP Developer Program  
<http://developers.sap.com>
- Pictures of recent CodeJam events  
<http://www.facebook.com/sapcodejam>
- Upcoming CodeJam events  
<http://scn.sap.com/community/events/codejam>
- Interested in hosting your own event?  
Visit <http://scn.sap.com/docs/DOC-37775>  
or contact [sapcodejam@sap.com](mailto:sapcodejam@sap.com)

SAP CodeJam: 2012 – 2013 stats



# Looking Ahead

What's Next?

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Good luck for your final exam!





# Thank you

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