Enterprise Architecture at MasterCard Technologies

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This presentation will focus on MasterCard Technologies. MasterCard Technologies is at the heart of MasterCard, operating an integrated global payments processing platform. It provides technology to smoothly process the company’s 23 billion transactions a year. Enterprise Architecture is one of the important pillars of MasterCard Technologies. There are five interacting towers of Enterprise Architecture as follows:

- **Business architecture** provides a blueprint of the enterprise capabilities, business functions, governance structure, business processes and business information.
- **Information architecture** specifies the effective use of data to best manage the information structure, assets, and data flow.
- **Application architecture** maps the business capabilities defined in the business architecture onto a set of application services and provides application architecture governance and blueprints.
- **Technology and integration architecture** specifies the foundational infrastructure elements such as the network, hardware, and middleware upon which applications are deployed.
- **Solution architecture** supports business alignment and optimization by synthesizing each Enterprise Architecture tower into solutions for specific business opportunities.

We will talk about the above components of Enterprise Architecture and show their support for the global payment processing.

**Mark Dryer** is currently serving as the Business Leader for Human Resources in the MasterCard Technologies organization, providing HR leadership and Global Talent Acquisition guidance for the business unit comprised of approximately 1,600 employees located across 24 countries in the world. Prior to joining MasterCard, Mr. Dryer was with Solutia for more than 5 years, most recently serving as the Human Resources Lead for Corporate Headquarters and two plant locations. He has more than 20 years of experience in key areas of HR with emphasis on Talent Acquisition, Strategic HR Planning, Leadership Development, Talent Management, and Compensation and Benefits. Mr. Dryer has a broad experience in world-class leading companies such as Sprint and Anheuser-Busch. Mr. Dryer graduated from the University of Central Missouri and also the University of Missouri – Columbia. His undergraduate degree is in Economics and he has an MBA.

**Kris Singh** is a Senior Business Leader with Enterprise Architecture at MasterCard Technologies. He has been with the company since 1997 when he was recruited as a college hire from University of Central Missouri, Warrensburg. His team is responsible for providing database administration support for all globally deployed applications within MasterCard. Kris has a Bachelor’s degree in Accounting and a Master’s degree in Business Administration. His hobbies include travelling and water sports.