

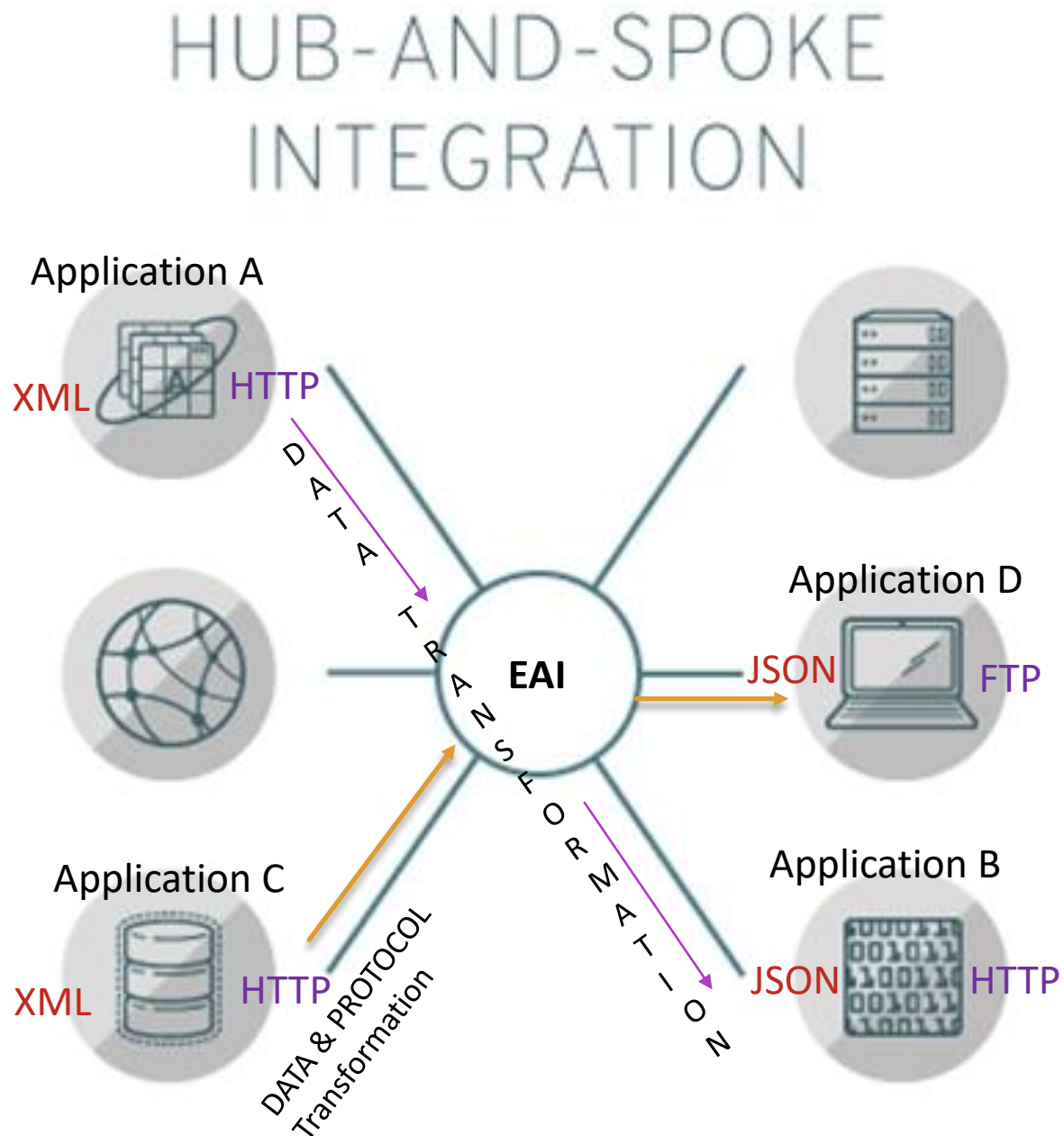
The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on this are several faint, light blue circular graphics. These include concentric circles, some with arrows indicating a clockwise direction, and larger circular arcs with tick marks, resembling a compass or a circular scale. The text is centered in the upper half of the image.

ENTERPRISE APPLICATION INTEGRATION (EAI) PART 2

BY
JOHN SYLVESTER

EAI Recap :

Hub and Spoke is preferred method of EAI



EAI Basics :

<https://youtu.be/-Z4KN1n13BU>

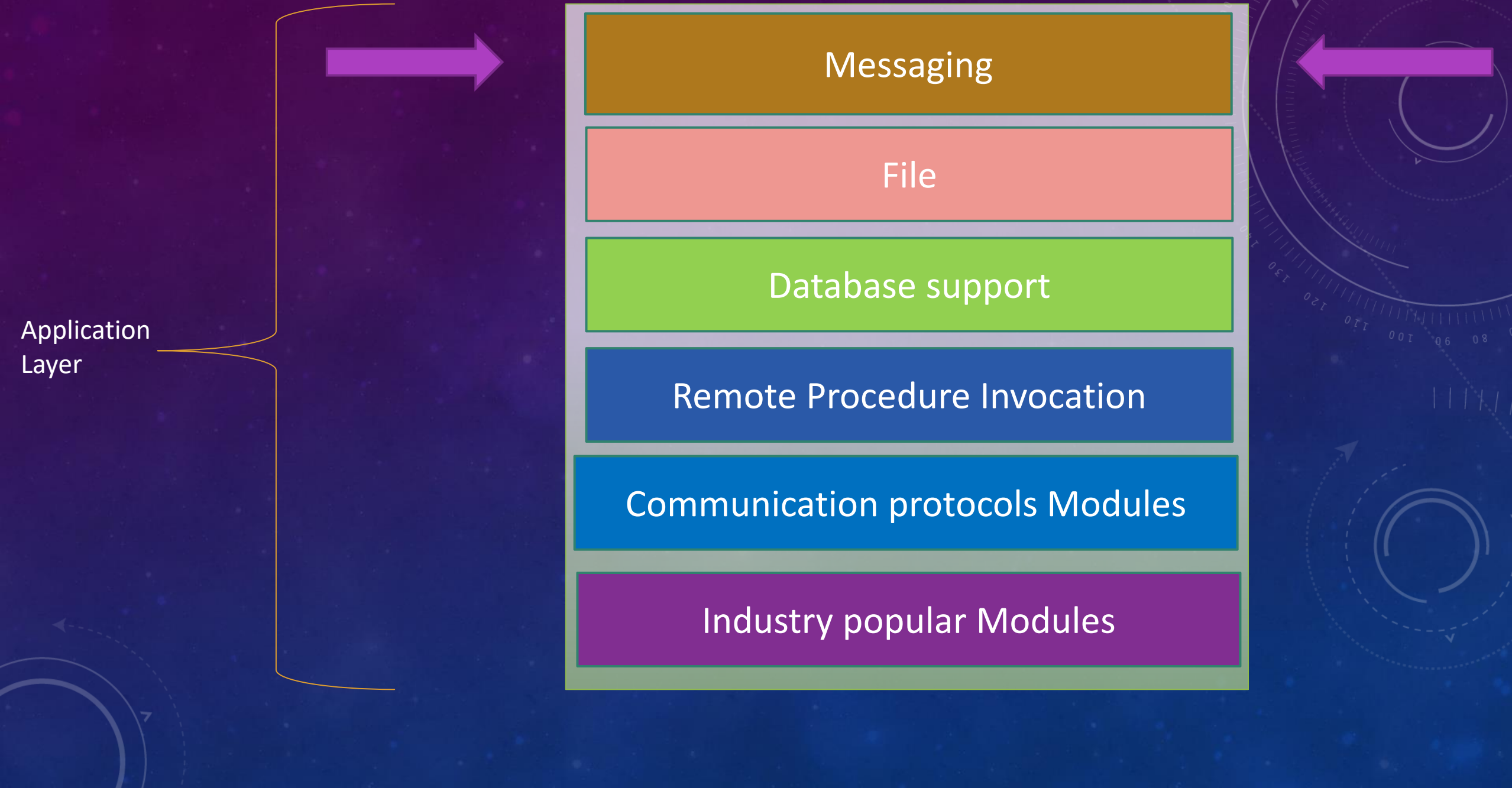
EAI software main capabilities :

1. Routing
2. Transformation
 - Data transformation
 - Protocol transformation

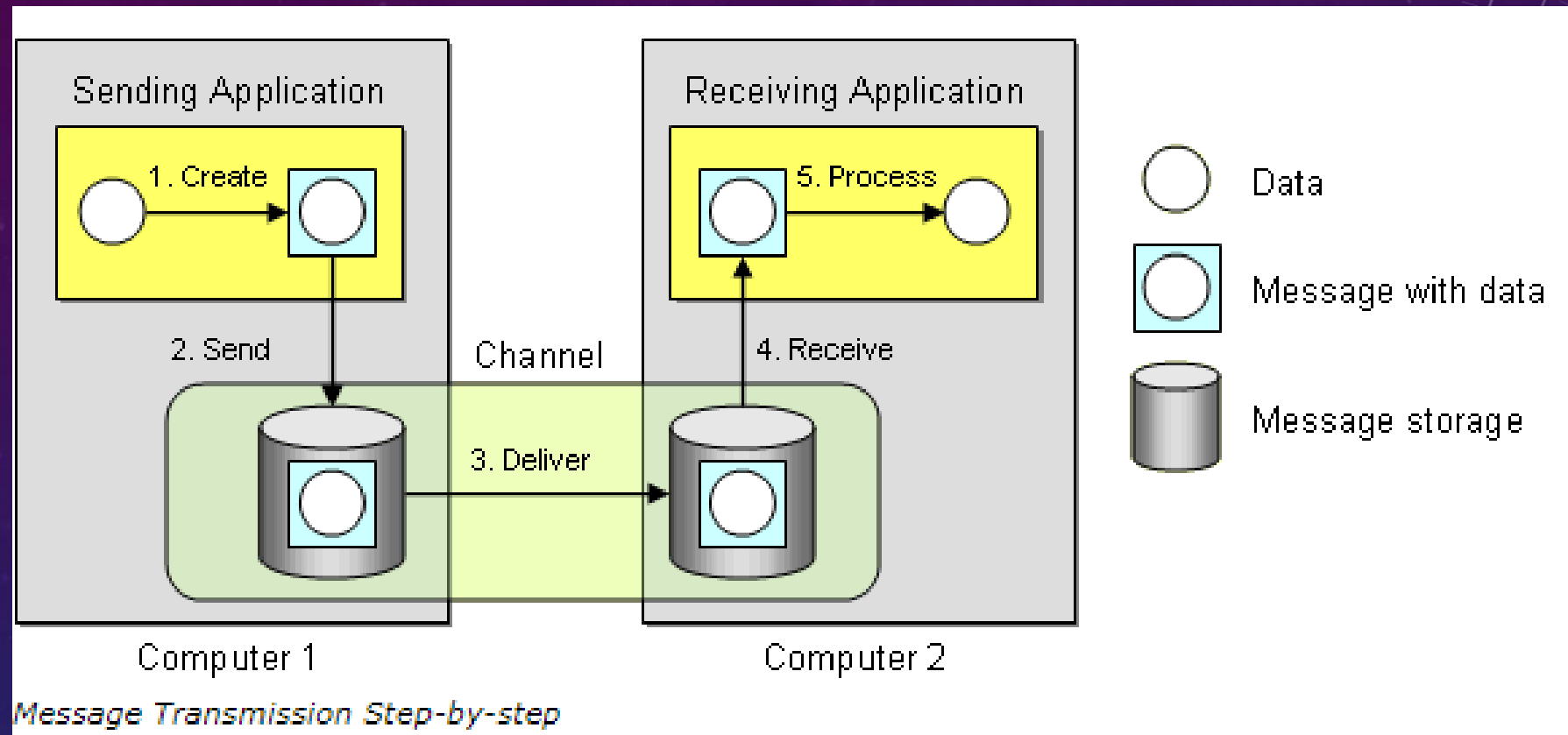
Commercial EAI software :

1. IBM App Connect Enterprise (ACE)
 2. Mulesoft
 3. TIBCO
- etc..

What EAI software contains:



Lets focus on Messaging :

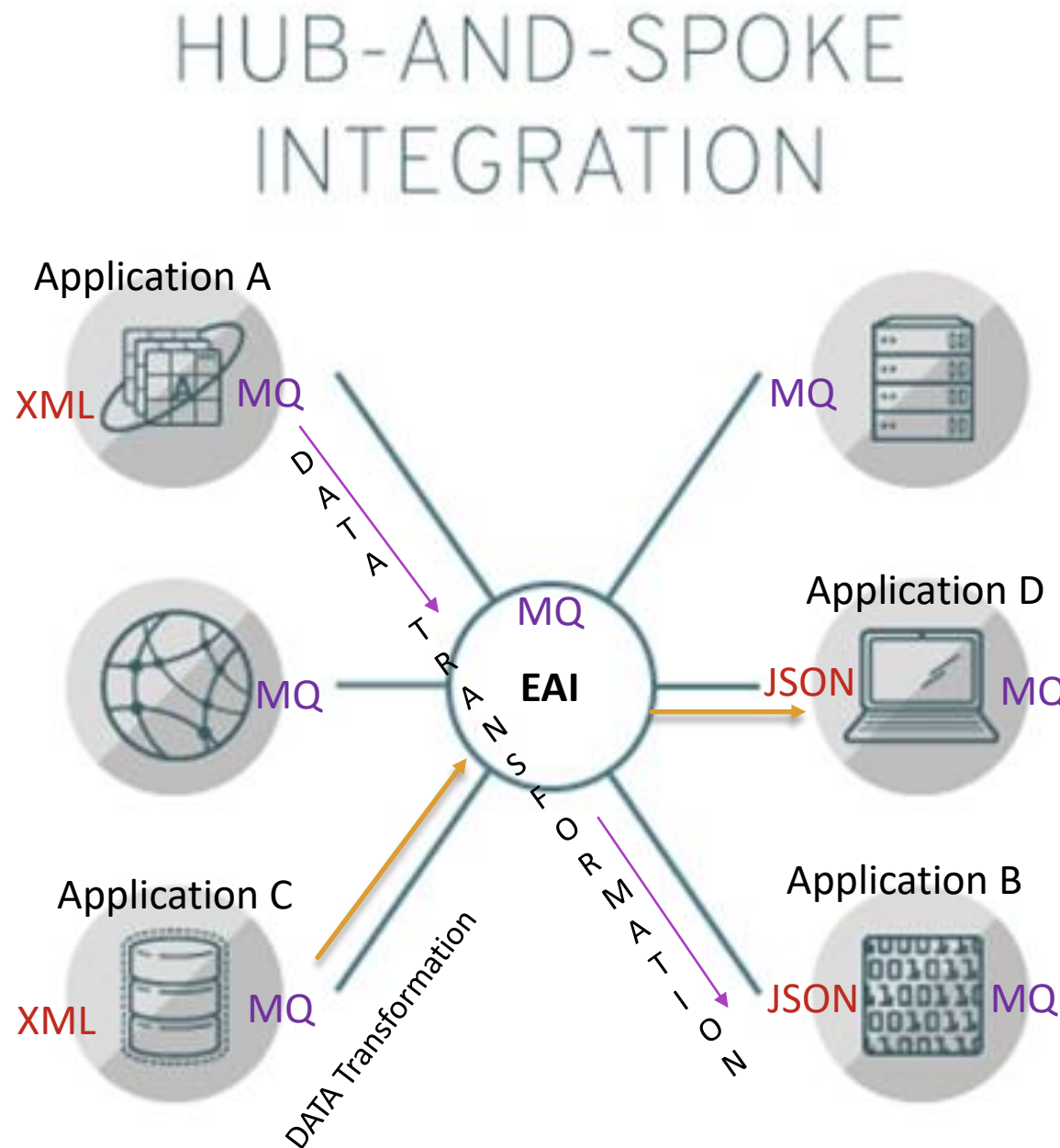


Two methods :

1. Send and forget
2. Store and forward

EAI using Messaging:

Lets consider IBM MQ as our Messaging software



EAI software main capabilities :

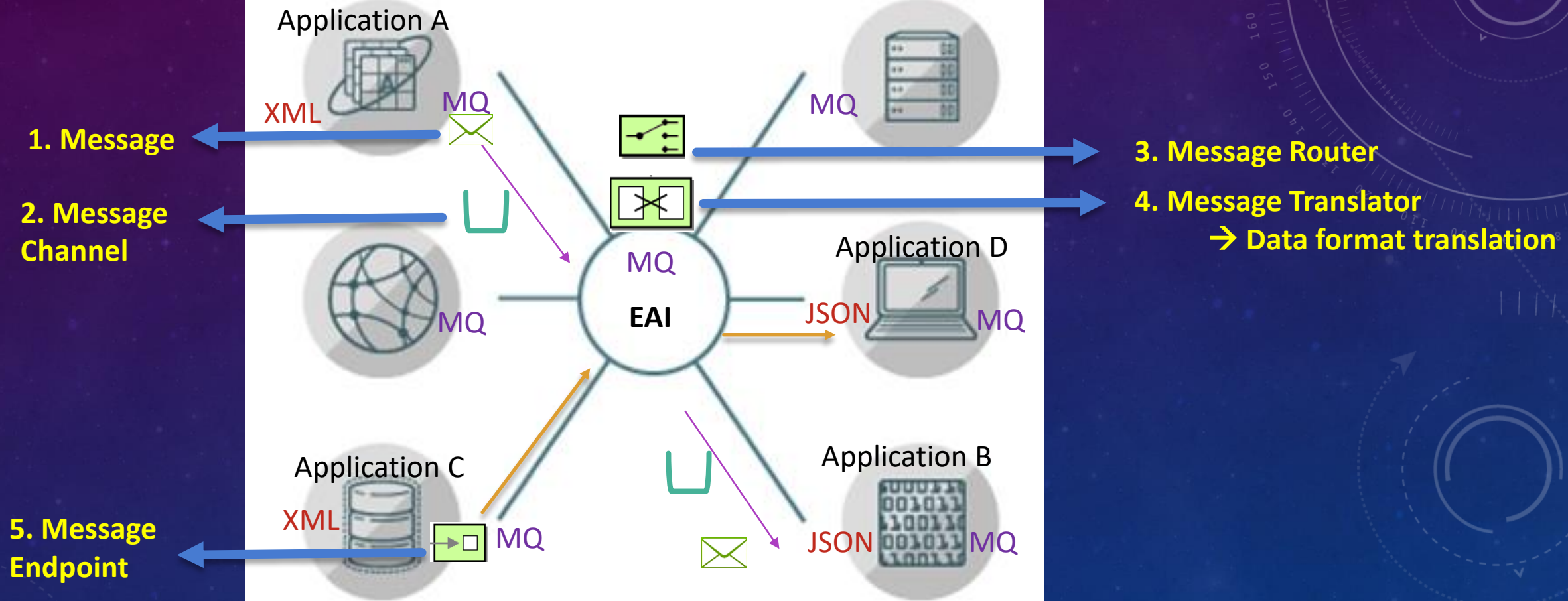
1. Routing
2. Transformation
 - Data transformation
 - Protocol transformation

Advantages :

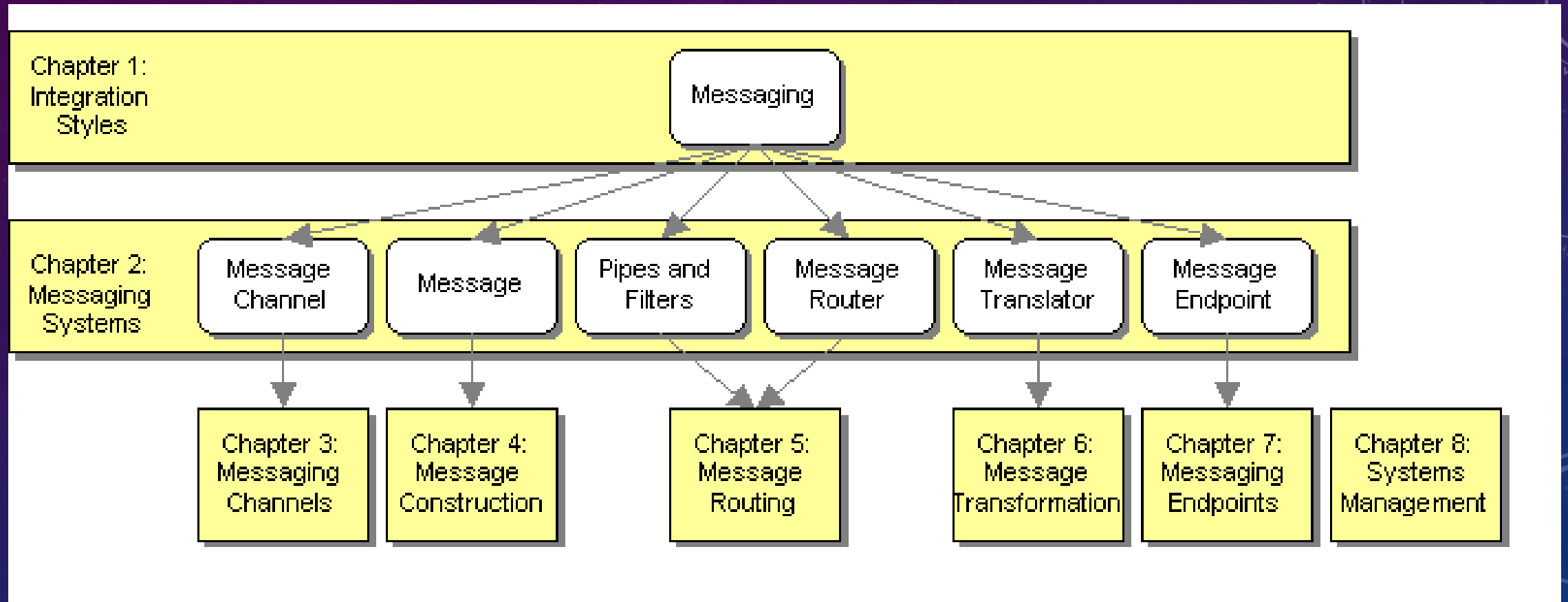
1. Asynchronous
2. Reliable Communication(Store & forward)

Messaging Components:

HUB-AND-SPOKE INTEGRATION



EAI patterns :



References :

1. <https://www.enterpriseintegrationpatterns.com/>
2. Book : Enterprise Integration Patterns: Designing, Building, and Deploying Messaging Solutions by Gregor Hohpe

