

The background is a dark blue gradient with a pattern of faint, light blue concentric circles and arcs. Some of these arcs have degree markings, such as 150, 160, 170, 180, 190, 210, 220, 230, 240, 250, and 260. There are also small white dots scattered across the background, resembling a starry sky or a technical diagram.

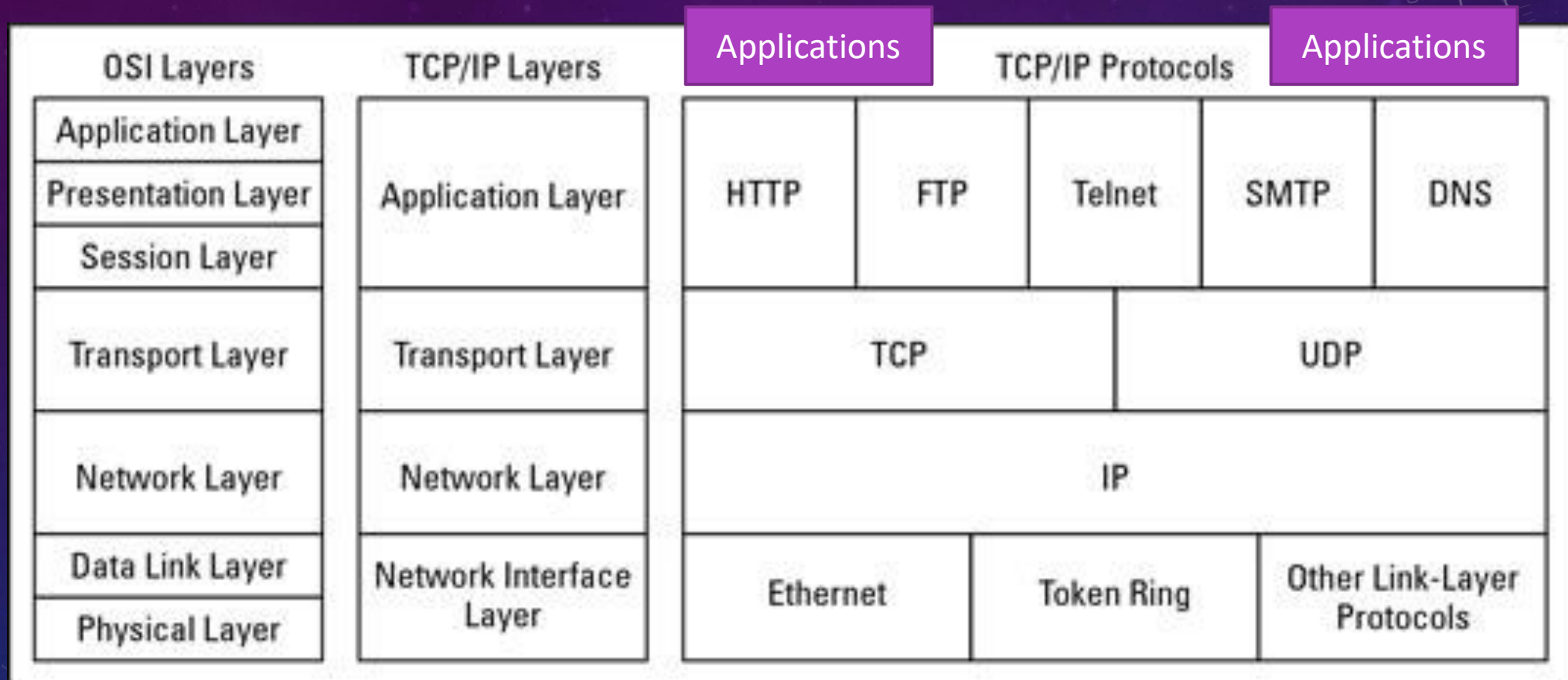
# ENTERPRISE APPLICATION INTEGRATION (EAI)

BY

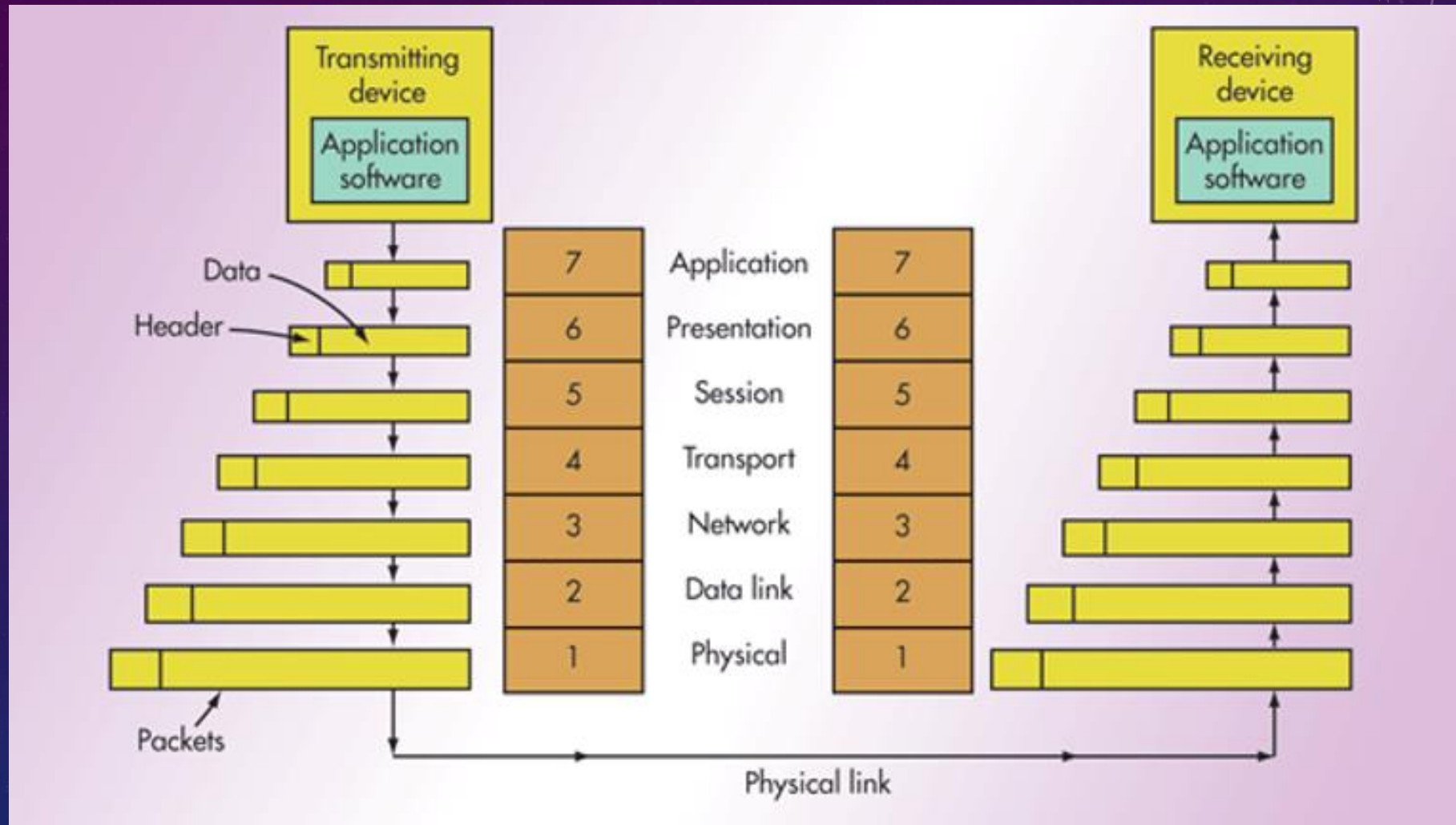
JOHN SYLVESTER

EAI :

Enterprise Application Integration = **Integration of Applications in Application Layer**

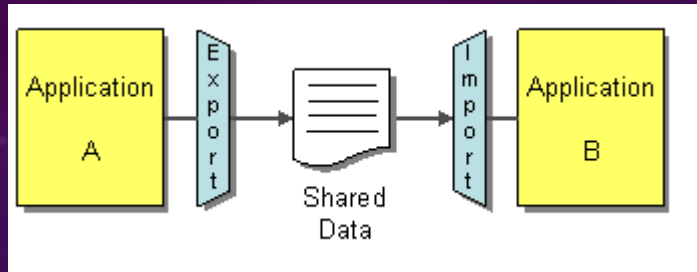


## EAI contd.. :

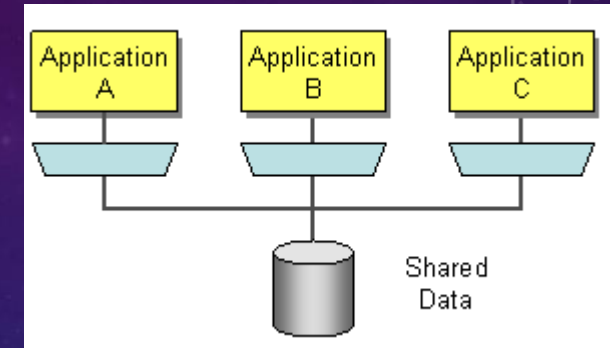


# EAI contd.. : 4 Common Integration Styles

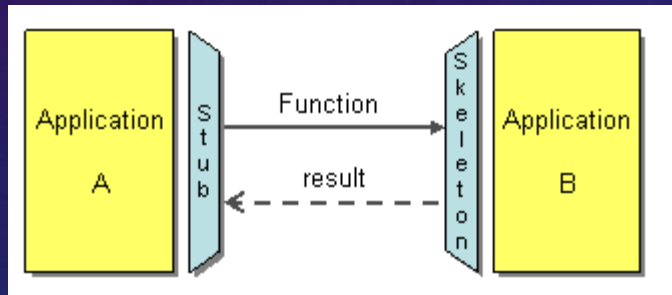
File Transfer



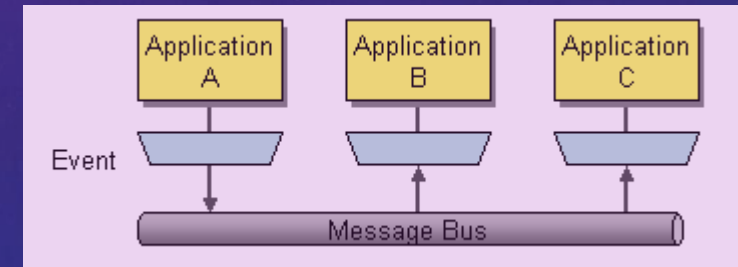
Shared Database



Remote Procedure Invocation



Messaging



Popular method

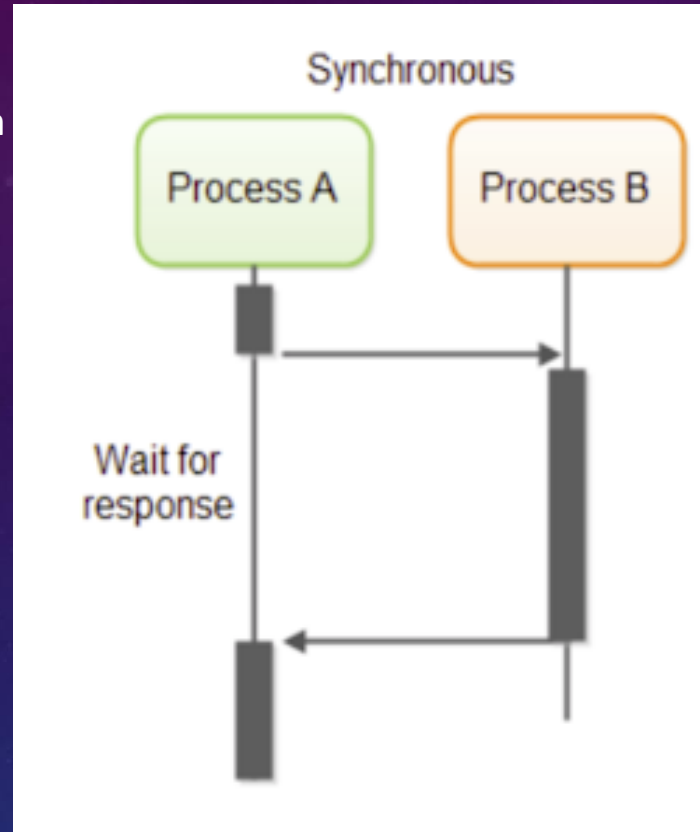


# Synchronous Vs Asynchronous : Decided by availability of application

## Synchronous Communication :

→ Remote Procedure Invocation

Eg : Phone call

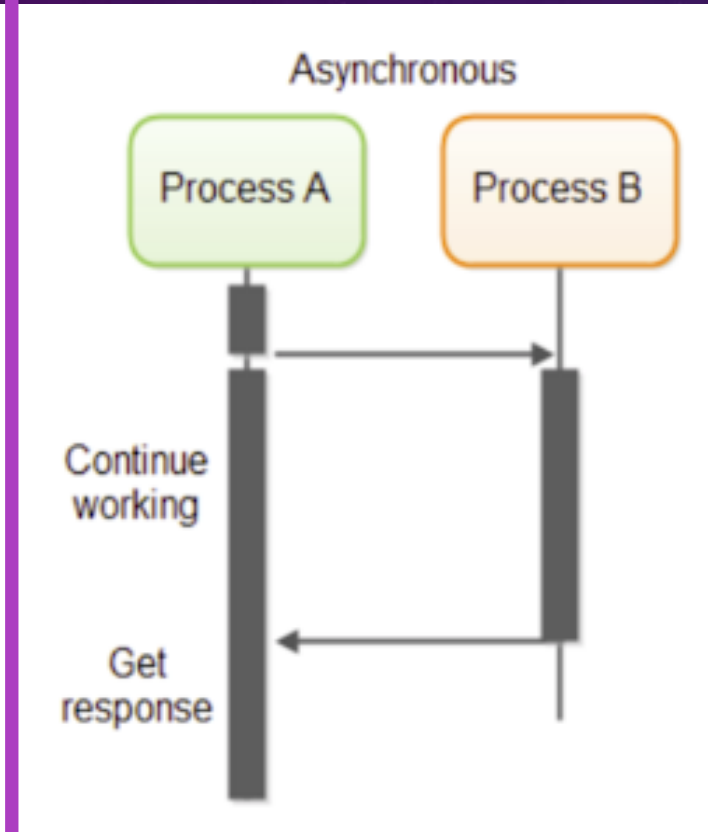


## Asynchronous Communication :

→ File Transfer

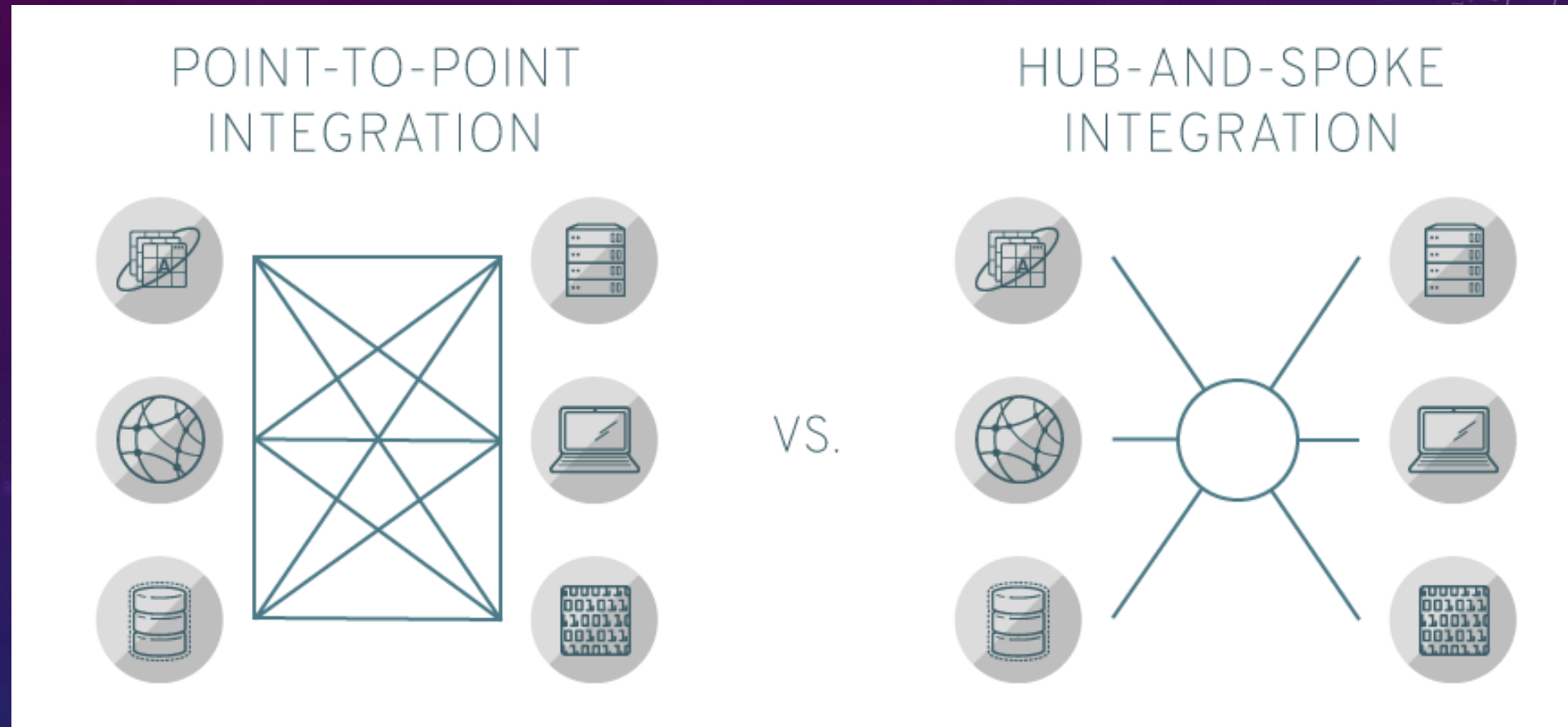
→ Messaging

Eg : Whatsapp



→ Shared Database

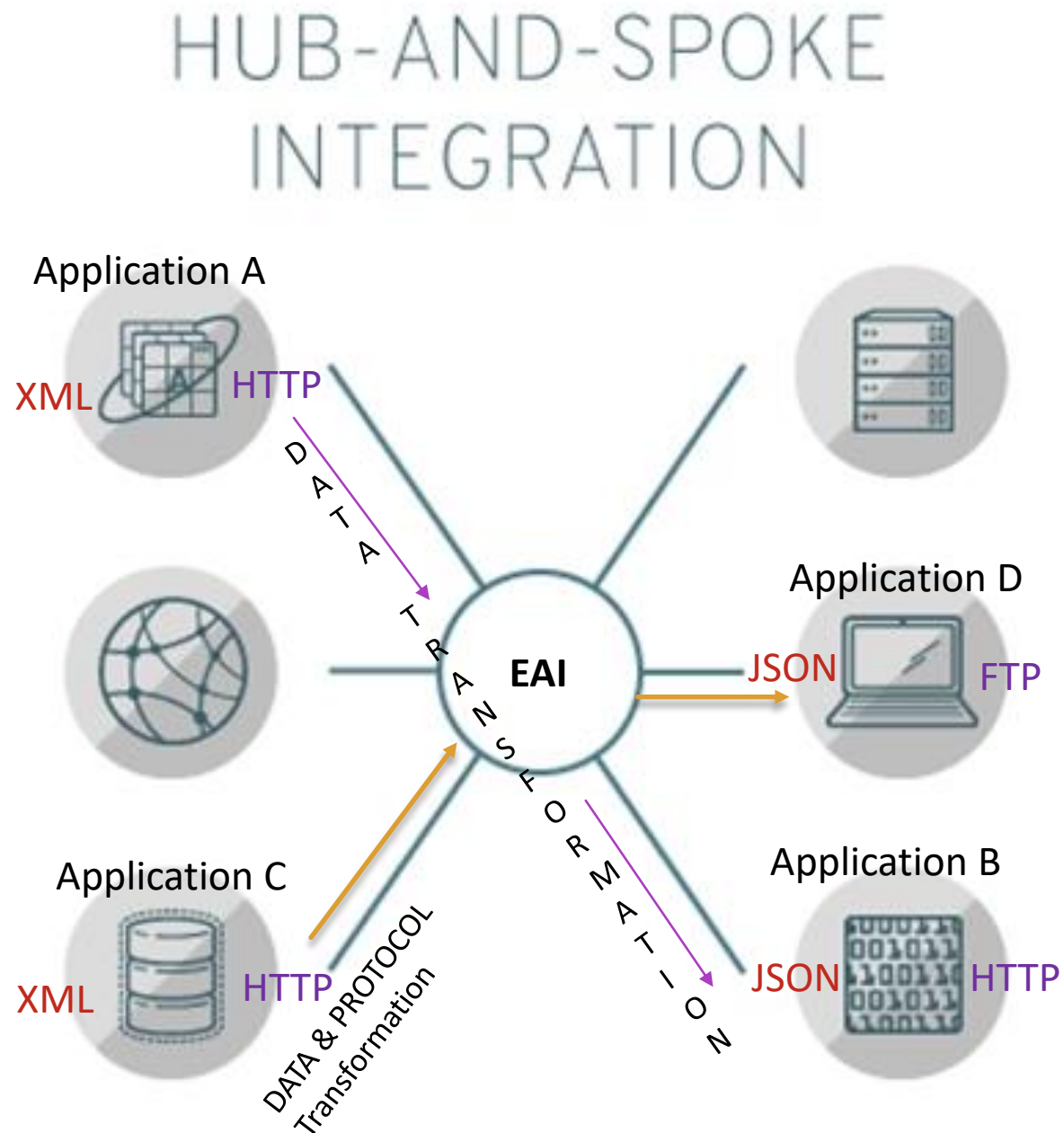
## EAI contd.. :



Point to Point becomes difficult to manage  
→ Not preferred

Hub and Spoke is preferred method of EAI

## EAI contd.. :



### 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..

## References :

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

