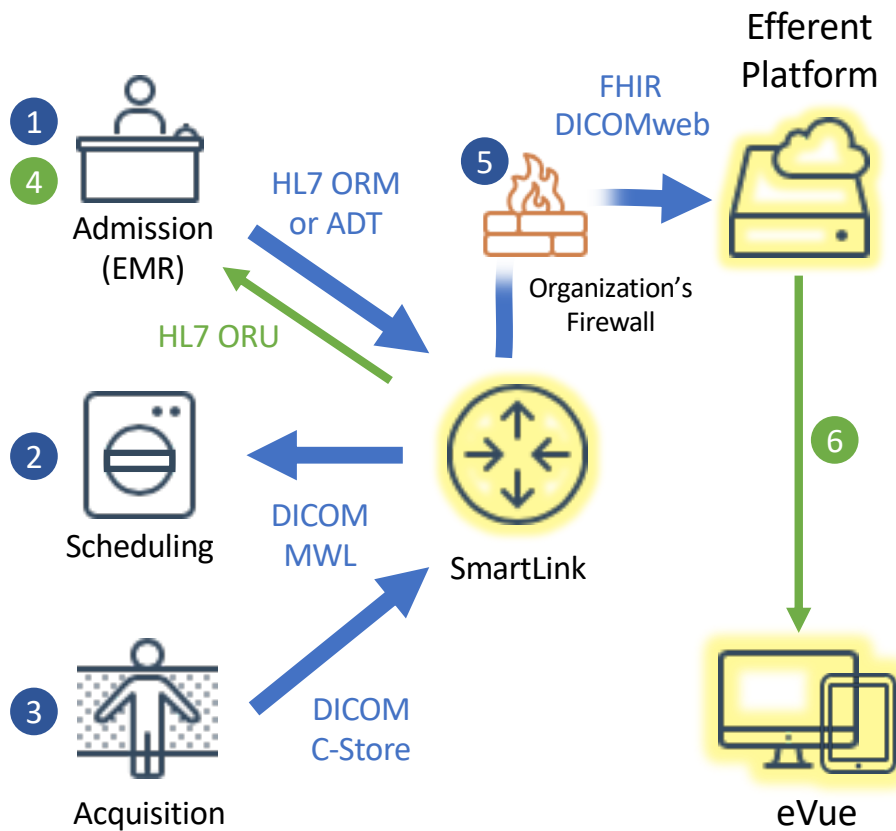


How we integrate DICOM, HL7 and FHIR with SmartLink?



SmartLink

Efferent's SmartLink acts as a translator for several entities communicating in different healthcare IT protocols, and upload images to the cloud without conflicting with network firewalls.

Efferent SmartLink spoken languages

- DICOM
- DICOMweb
- HL7 2.x
- HL7 FHIR R4

Integration workflow:

1. The EMR admits a patient and sends an HL7 message to SmartLink
2. The modality operator picks an order from SmartLink's Modality Worklist
3. The acquisition is performed and the DICOM images sent to SmartLink
4. SmartLink sends back an HL7 message to the EMR telling about the new study
5. The entire imaging study is sent up to the cloud repository by using FHIR and DICOMweb protocols
6. The images are visible anywhere by opening eVue directly or from the EMR.