

**Decomposing Software Architectures**

Decomposing architectures is a matter of understanding the relevant views and then using decomposition style applied to each view. A view is a representation of a set of components and the relationships associated with them. Although the use of views is apparent for every system, architects need to think about their software in three views simultaneously:

1. How is it structured as a set of elements that have certain behavior and interactions?
2. How is it related to other elements in the environment?
3. Each style (or view) of the system, called a *viewtype*. A viewtype defines the abstract part and describes how that part is related to the rest of the system.

4. The *viewtype* concept

5. The *Component and Connector viewtype*

6. The *allocation viewtype*

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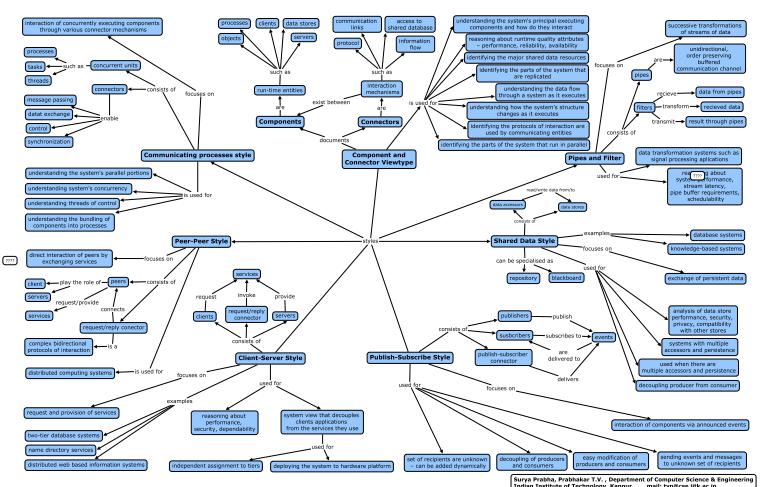
96. The *allocation viewtype*

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Dr. P. Prasad, Professor, V.V. Department of Computer Science & Engineering, Indian Institute of Technology, Kharagpur. mail: pp@cae.iitk.ac.in