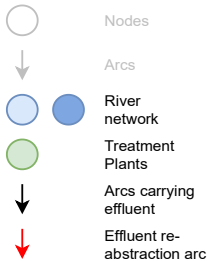
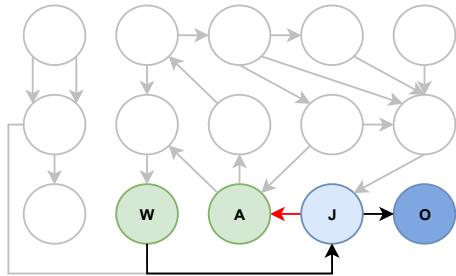


(a)

Legend**Schematic**

(b) Pull driven system

Orchestration	Node	Automatic trigger	Component customisation
External pull	-	Pull from A and O	Trigger A before O
	→ A	Pull from J	
	→ J	Pull from W	Create custom exchange item conveying only the requested abstraction from A
	→ W	(Pull) Simulate flow to J	
	→ J	(Pull) Simulate flow to A	
	→ O	Pull from J	
	→ J	Pull from W	
	→ W	(Pull) Simulate flow to J	
	→ J	(Pull) Simulate flow to O	

(c) Push-pull custom orchestration system

Orchestration	Node	Automatic trigger	Component customisation
Calculate available wastewater	W		
Satisfy abstractions	A	Pull from J	
	→ J	Pull from W	
	→ W	(Pull) Simulate flow to J	
	→ J	(Pull) Simulate flow to A	
Discharge remaining water	W	(Push) Simulate flow to J	
	→ J	(Push) Simulate flow to O	