

Example for Views and Customization: Organisation Modeling

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Views and Customization for Organization Models

This chapter explains with the example of Organisation Modeling the concepts of Views and Customization in ArchiMate

The chapter is mainly based on the following literature:

- Bridgeland David M.; Zahavi, Ron (2009): Business Modeling - A Practical Guide to Realizing Business Value. Morgan Kaufman Publishers. Chapter 4: Business Organization Models.
- Archimate 3, chapters 14 and 15,
<http://pubs.opengroup.org/architecture/archimate3-doc/>

Organisations

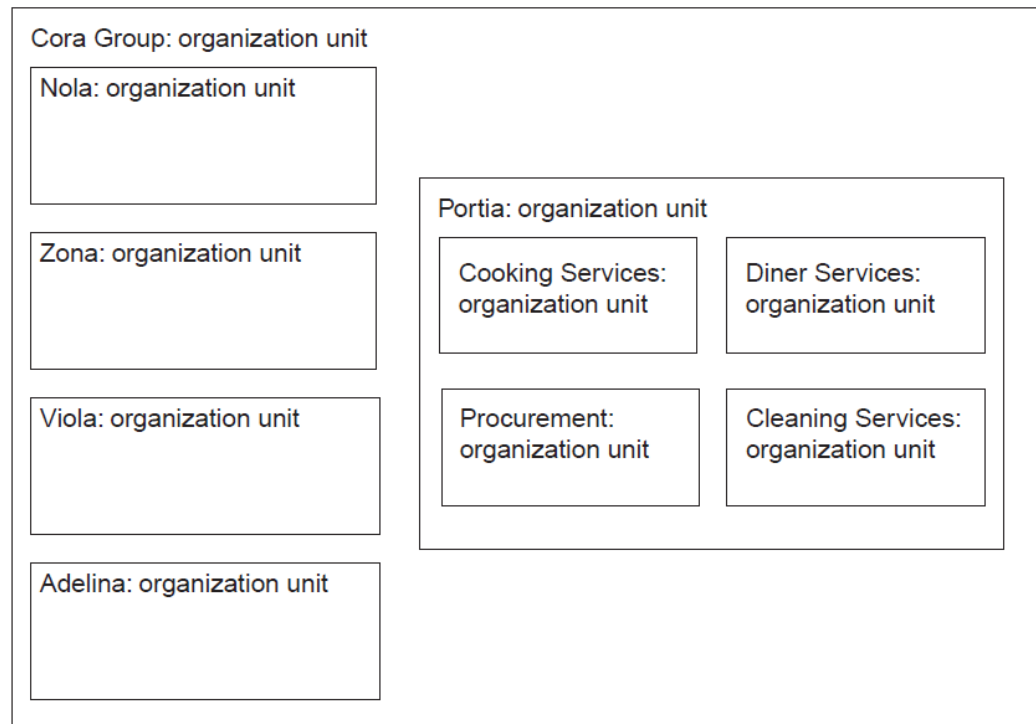
- An organization unit (or simply stated, an organization) is a collection of people who work together toward a common goal.
- An organization has a clear boundary. Some people are part of it and others are not.
- An organization can be a commercial company, a nonprofit, or a government agency.
- An organization can be a group of people within a larger organization.
 - ◆ An organization can be part of another organization and an organisation can have sub-organisations
 - ◆ An organization can even be temporary. A project team is an organization which exists while the project is performed and then disappears after the project is finished

Business Organisation Models

- A Business Organisation Model describes
 - ◆ how a company is organized – the business units, departments and working groups
 - ◆ the roles that people play in the company
 - ◆ the interactions – who interacts with whom to get the work done
 - ◆ the way the organisation interacts with other organisations
- When we model organizations,
 - ◆ we look at the way they are structured, the work they perform, and the way they are associated with other organizations.
 - ◆ we do **not** focus on **how** organisations perform their work (this is modeled as a business process)

Example of an Organisation Model

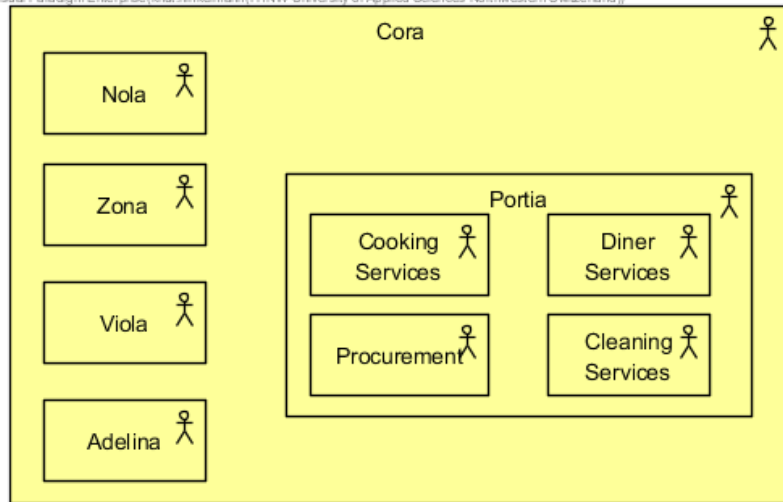
- This model shows Cora Group as composed of five restaurants.
- One of those five—Portia—has four organizations that are part of it: Diner Services, Procurement, Cooking Services, and Cleaning Services



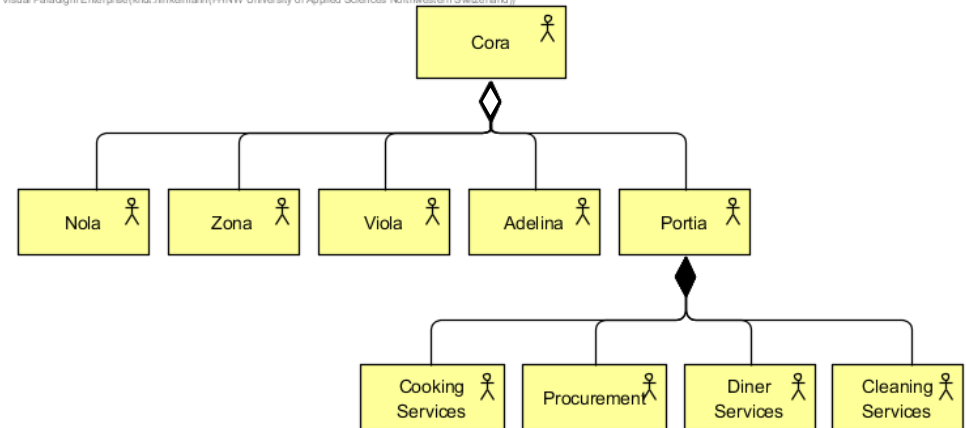
Business Organisation Modeling

- This is an example for an organisation model in Archimate.
- The concept «Actor» is used to represent the organisation units

Visual Paradigm Enterprise (knut.hinkelmann@fhnw.ch)



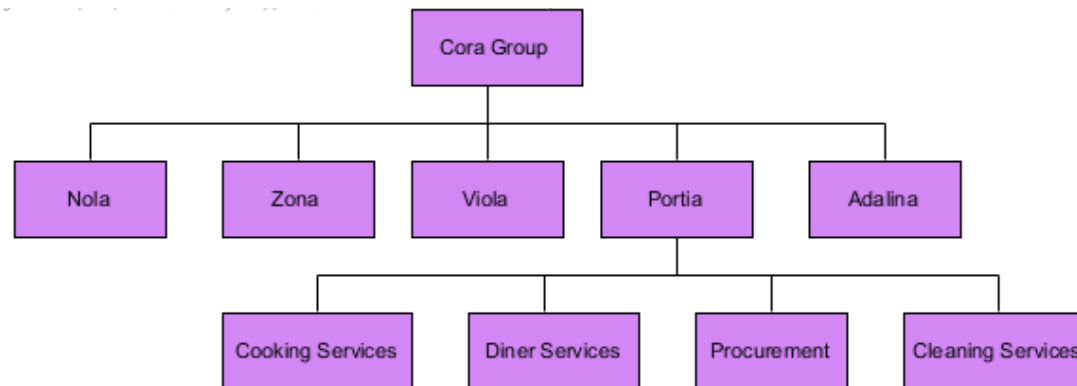
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*) I used aggregation to express that a company can own other companies (Holding) and
 I used composition to show that an organisation unit is composed of sub-units

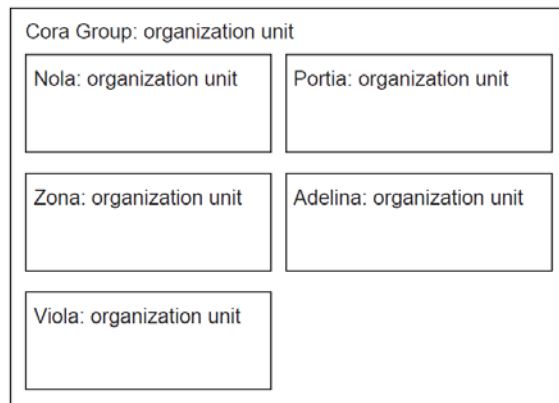
Business Organisation Modeling

- There are other possibilities to model the organisation, e.g. using the model kind «Organisation Chart».

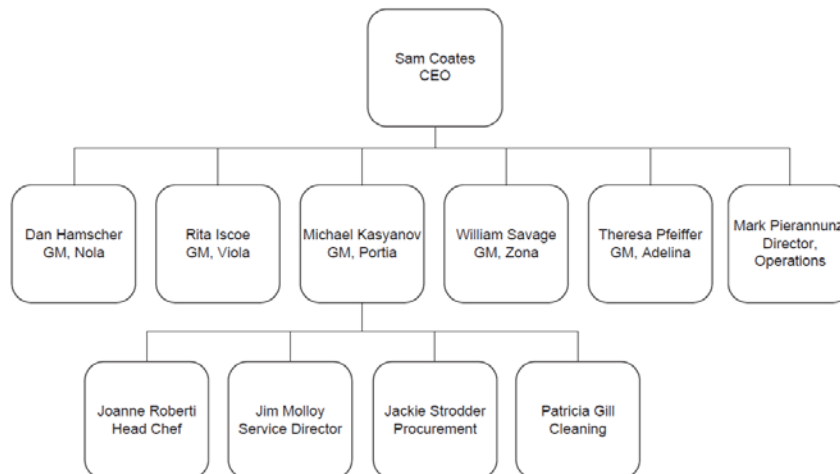


Organisation Model vs. Organisational Chart

Example of a Organisation Model:



Example of an Organisational Chart:

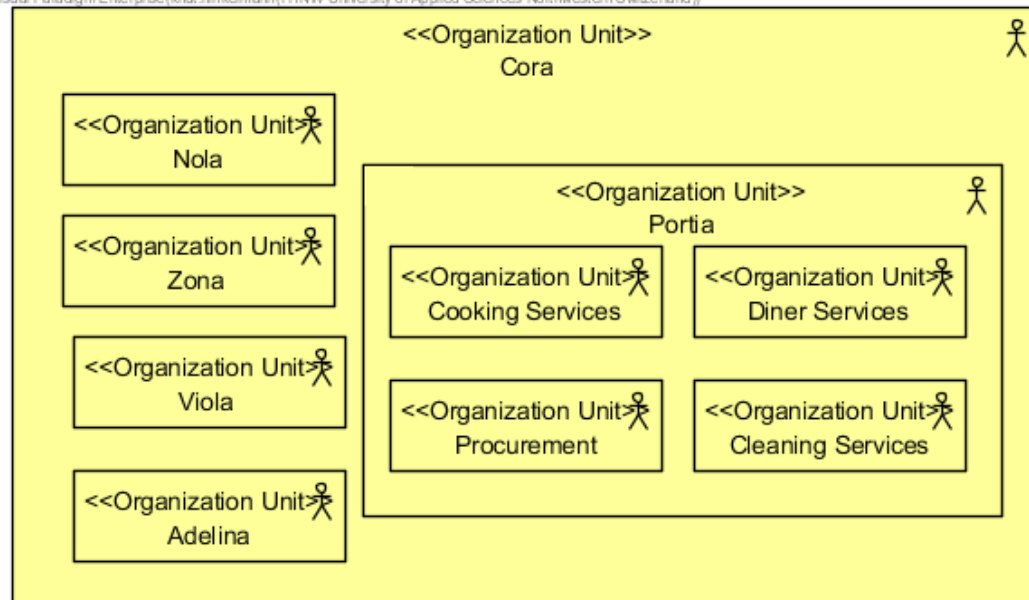


- Business organization models are different from organization charts.
 - ◆ An organization model is about groups of people (organizations and roles) while
 - ◆ Organization charts are about individual people within an organisation
- Example:
 - ◆ The business organization model (on top) shows us what organizations are part of Cora Group
 - ◆ The organisational chart shows the roles of individual people and the reporting relationships between people

Specialisation of Modeling Elements

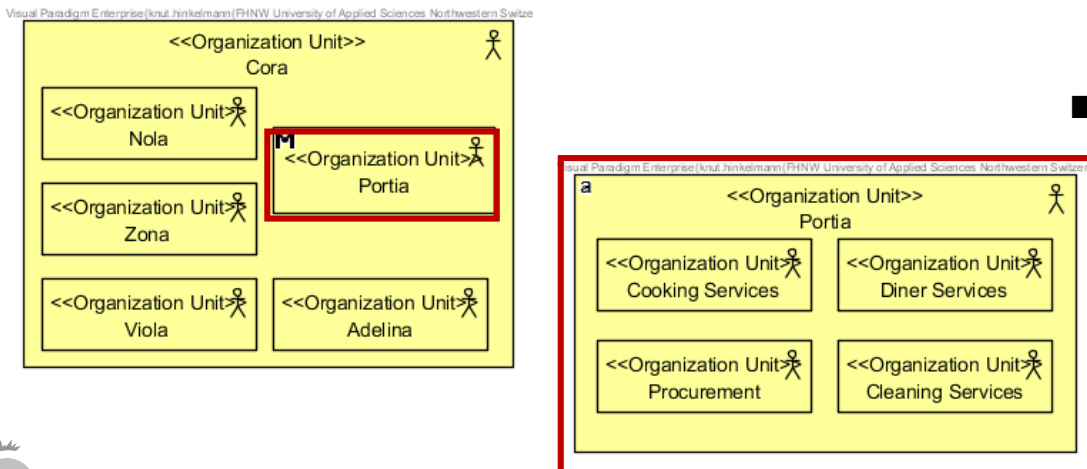
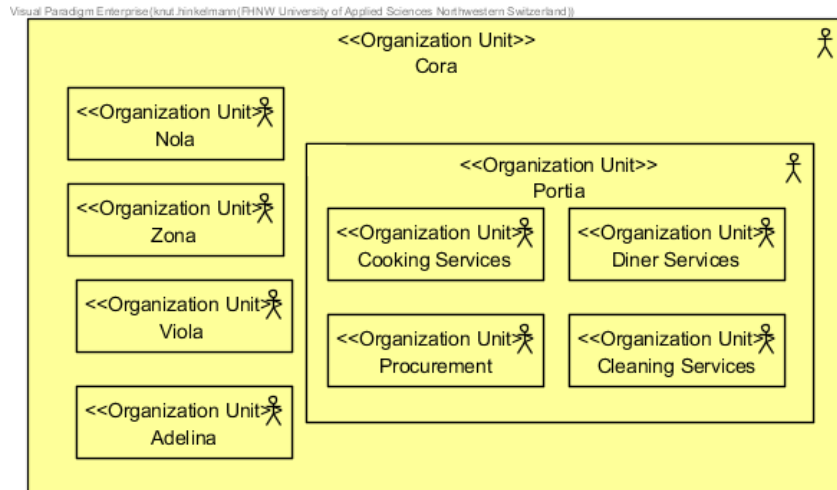
- Specialization is a simple and powerful way to define new elements or relationships based on the existing ones.
- Specialisation can be represented as Stereotypes in Visual Paradigm

Visual Paradigm Enterprise (Knut Hinkelmann (FHNW University of Applied Sciences Northwestern Switzerland))



This diagram shows a specialization of the Business Actor using the Stereotype <<Organization Unit>>.

Representing Organisations and Suborganisations



- Business organisation models are inherently hierarchical
 - ◆ An organisation is composed of several other organisation which are again composed of other organisation
- The hierarchy can be represented
 - ◆ in one model or
 - ◆ in several models
- Example: The top diagram shows three levels. If we a diagram becomes too complex, one can show the organizations within a unit as a separate diagram (see second diagram)

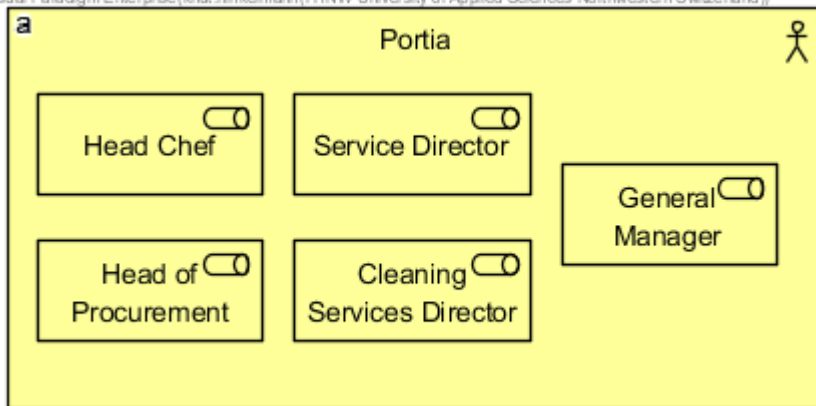
(Bridgeland & Zahavi 2009, p. 81ff)

Organisation with Roles

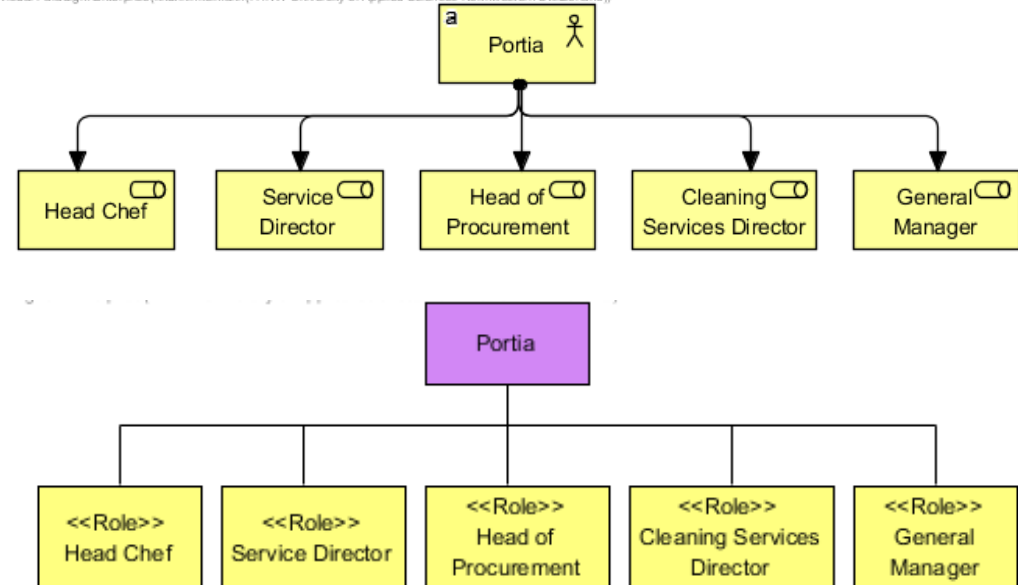
- Organisations contain roles
- A role is a responsibility a person assumes when he or she holds a position in an organisation
- People can at the same time play multiple roles

Organisation Model with roles

Visual Paradigm Enterprise (Knut Hinkelmann (FHNW University of Applied Sciences Northwestern Switzerland))



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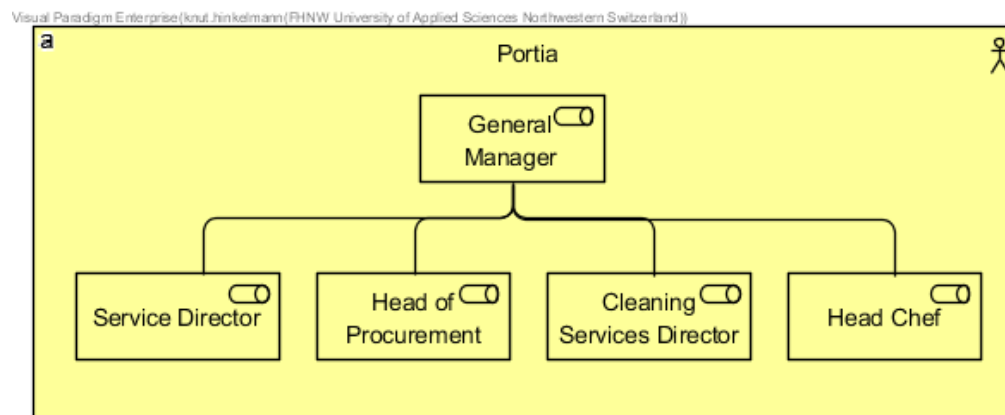


(Bridgeland & Zahavi 2009, p. 82ff)

Reporting Relationships

- It can be useful to model the reporting relationships that exist between roles (not between individual persons)
- The supervising role can tell the reporting role what to do and when to do it
- Reporting only occurs between two roles, a role cannot report to an organisation

Organisation Model with reporting relationships

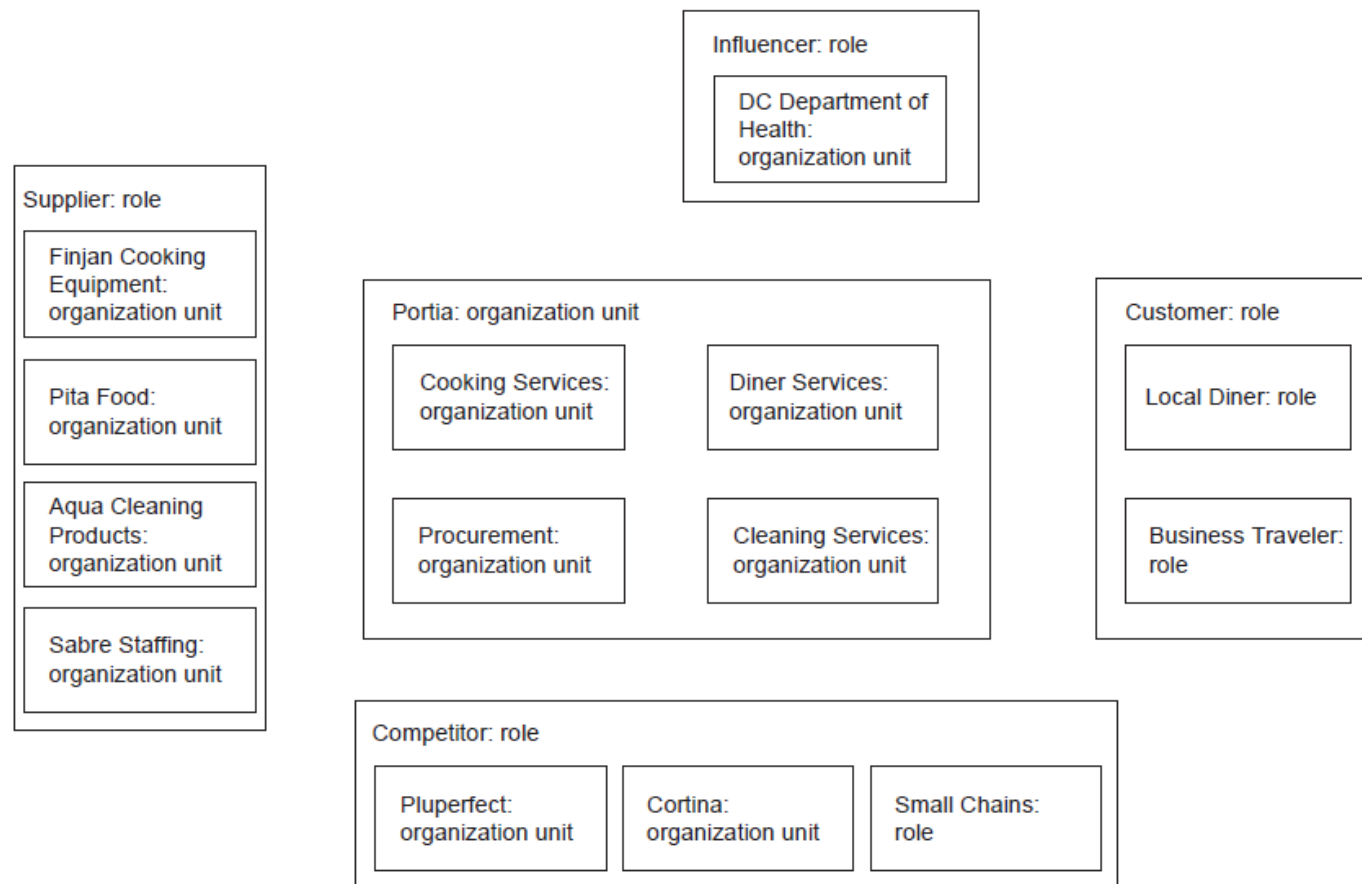


(Bridgeland & Zahavi 2009, p. 82ff)

Interactions

External Organisations and External Roles

Sometimes it can make sense to model also external roles



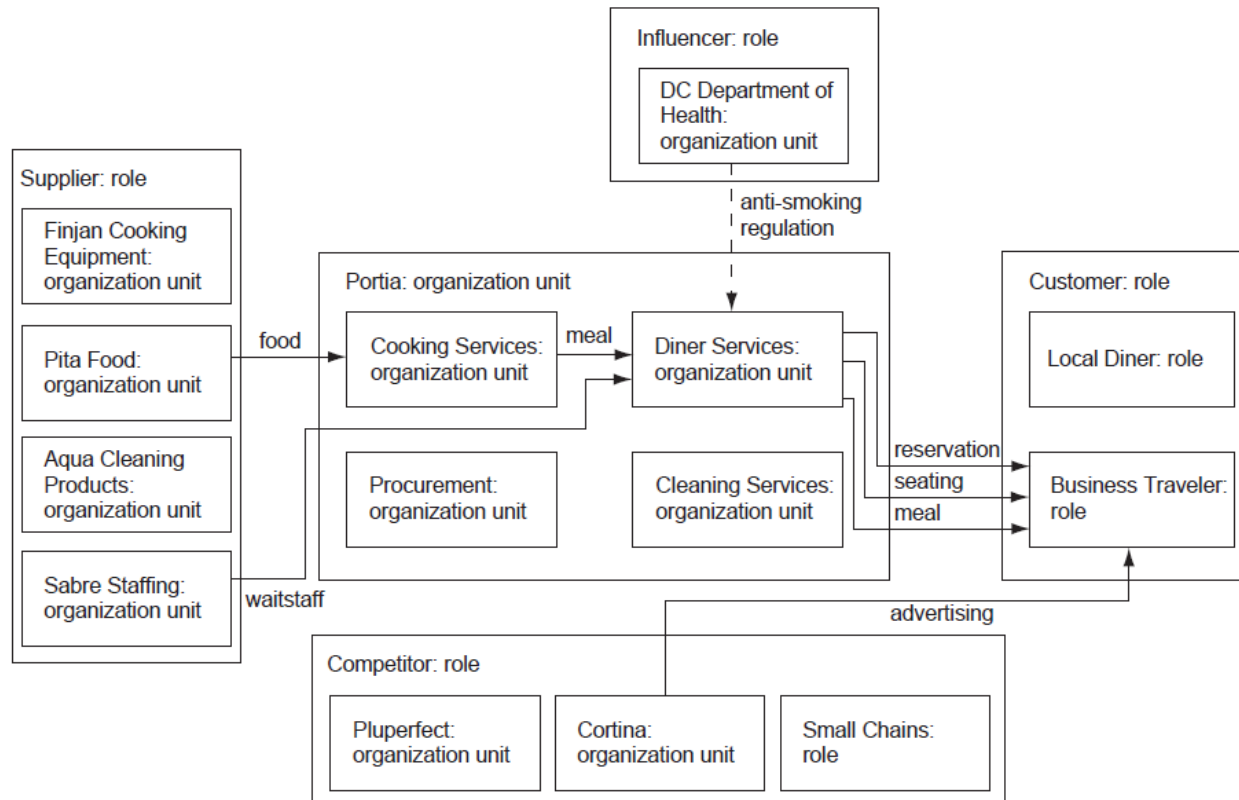
A role inside a role means the the inner role plays the role of the outer role, i.e. a Local Diner is also a Customer

When an organization is represented as part of a role, it means that the organization plays that role, i.e. Cortina plays the role of a Competitor.

(Bridgeland & Zahavi 2009, p. 86f)

Interactions and Influences

- An interaction is represented as an arrow between organisations and roles and labeled with the name of the deliverable, which can be information, a physical good, a service or money
- An organisation can have an influence on another organisation, even if they do not work together (e.g. regulations)



(Bridgeland & Zahavi 2009, p. 92f)