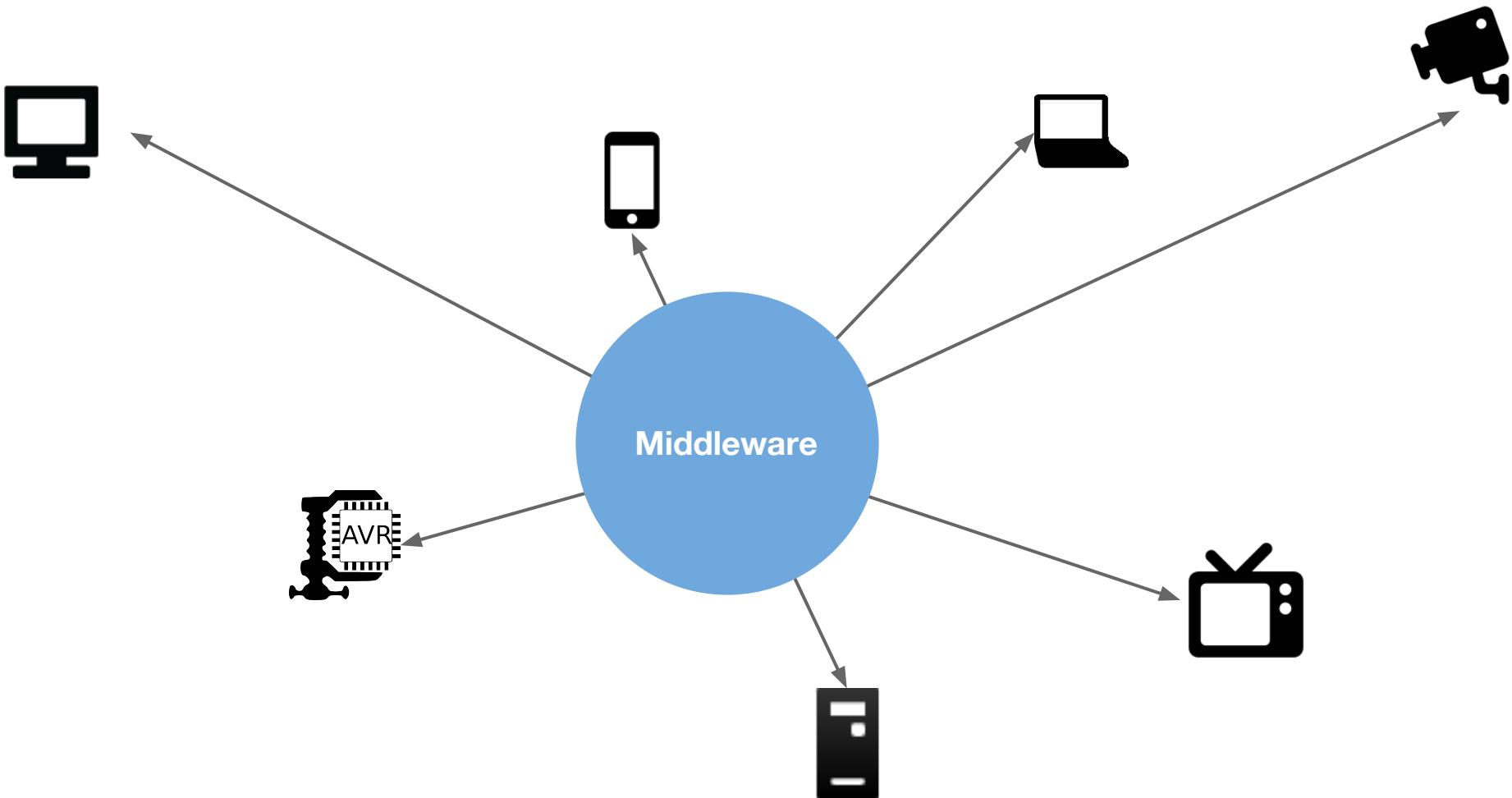
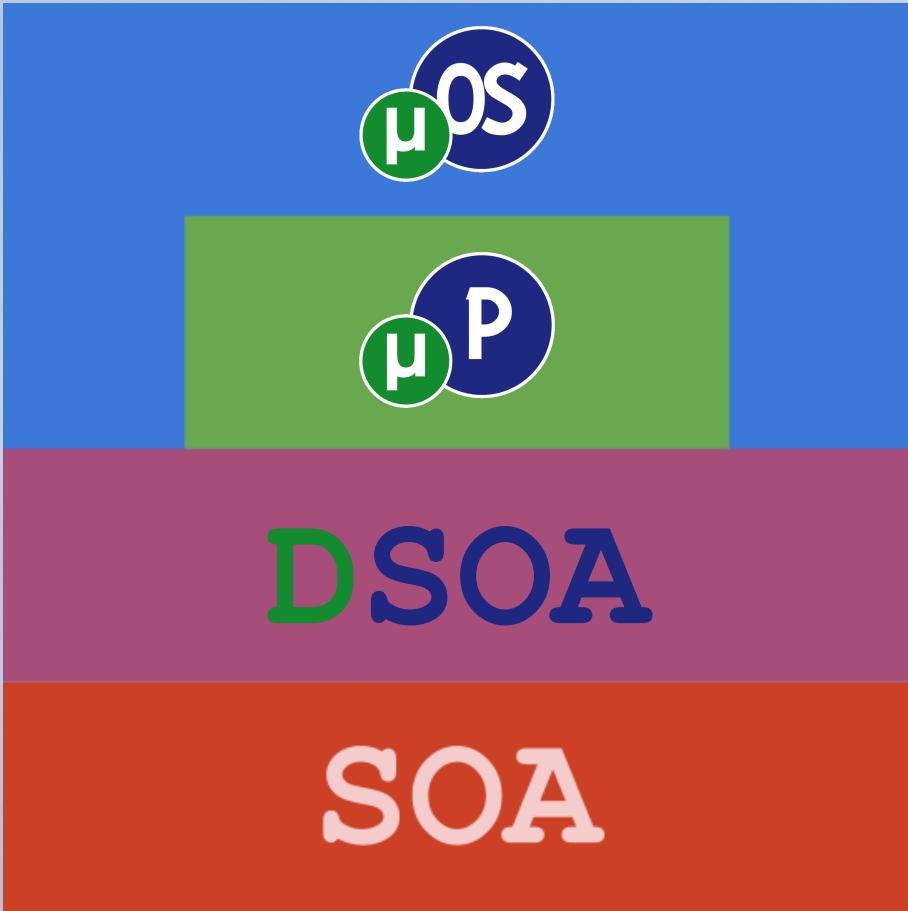


ubizen

Games Edition
Estudos em Jogos Ubíquos

Plataforma UnBiquitous







DSOA



Service Oriented Architecture

DSOA

Device

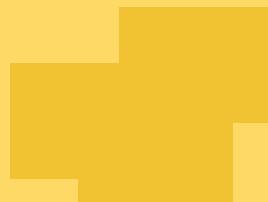
A large, bright yellow sun is positioned in the upper left corner, casting a warm glow over a dark silhouette of bare trees in the foreground.

Architecture SOA

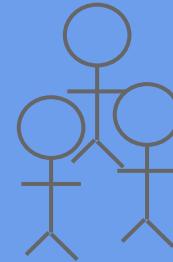
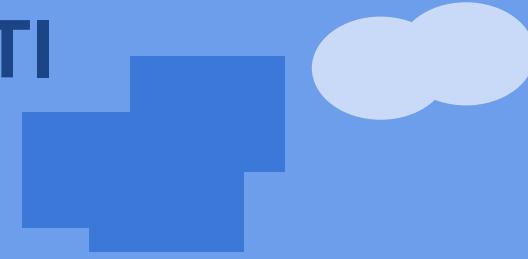
*"Um **paradigma** para a organização e utilização de **capacidades distribuídas** que possam se encontrar sob o controle de diferentes domínios e propriedades"*

SOA

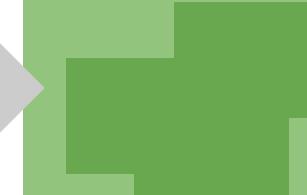
Comercial



TI



Contábil



*"Serviço é um mecanismo que disponibiliza uma ou mais **funcionalidades**, onde o acesso é provido através de uma **interface** definida entre as partes"*

Serviço

*"Serviço é um mecanismo que disponibiliza uma ou mais **funcionalidades**, onde o acesso é provido através de uma **interface** definida entre as partes"*

Serviço



Efeito

*"Serviço é um mecanismo que disponibiliza uma ou mais **funcionalidades**, onde o acesso é provido através de uma **interface** definida entre as partes"*

Serviço



Visibilidade

Interação

Efeito

A black and white photograph of a snow-covered landscape. In the foreground, there's a snowdrift on the right and a path leading towards a group of snow-laden trees. The trees are heavily covered in snow, hanging low over the path. A street lamp stands on the left side of the path. The background shows more snow-covered trees under a bright sky.

Consumidor

A black and white photograph of a snow-covered landscape. In the foreground, there's a snow-covered path or road. On either side of the path are several tall trees, their branches heavily laden with snow. Streetlights are visible along the path, their tops also covered in snow. The sky is overcast and grey.

Consumidor

A black and white photograph of a snow-covered landscape. In the foreground, there's a snow-covered path or road. On either side of the path are several tall trees, their branches heavily laden with snow. Streetlights are visible along the path, their tops also covered in snow. The sky is overcast and grey.

Provedor



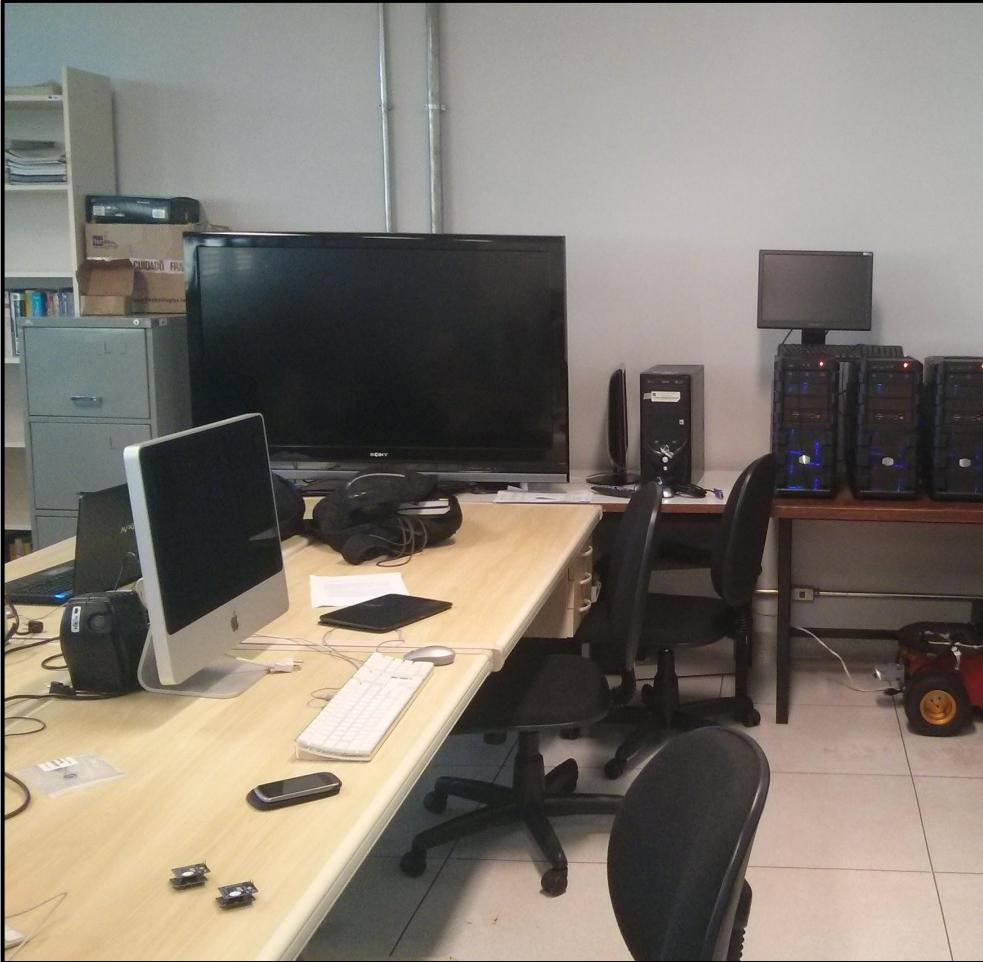




DSOA

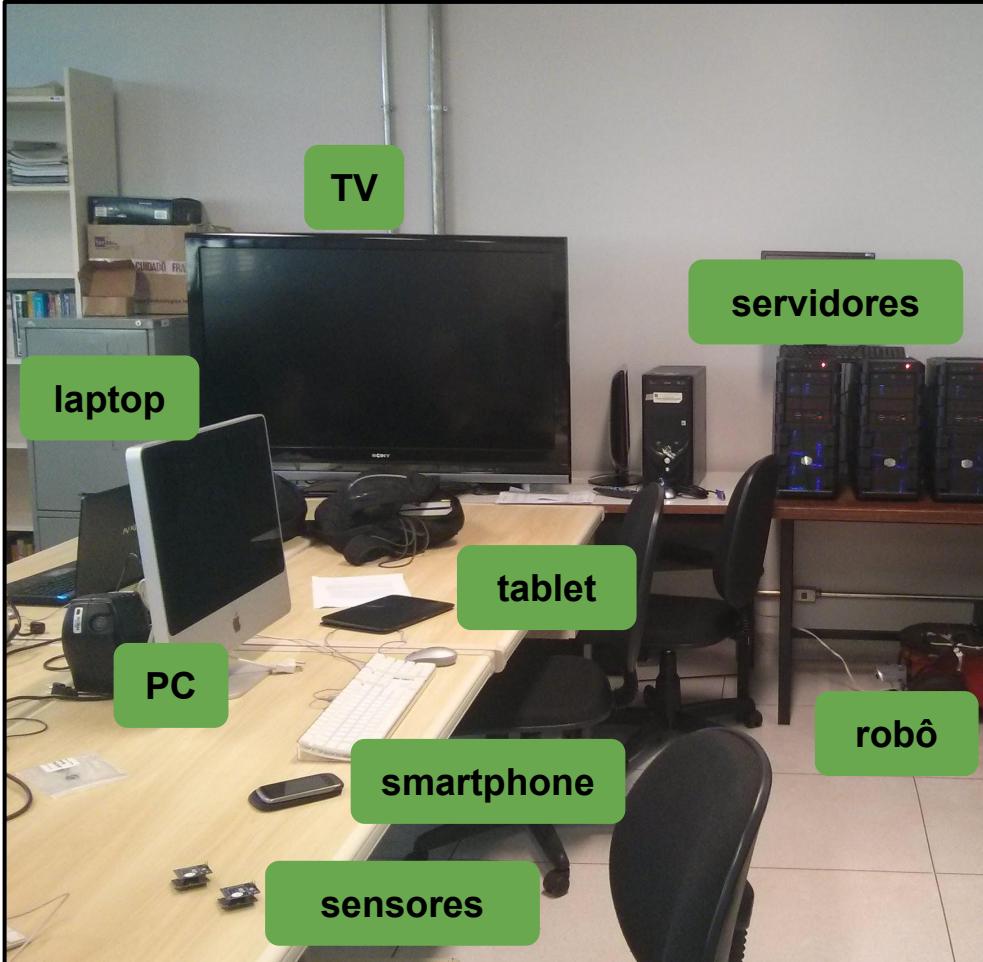
Ambiente
Inteligente

Ambiente
Inteligente

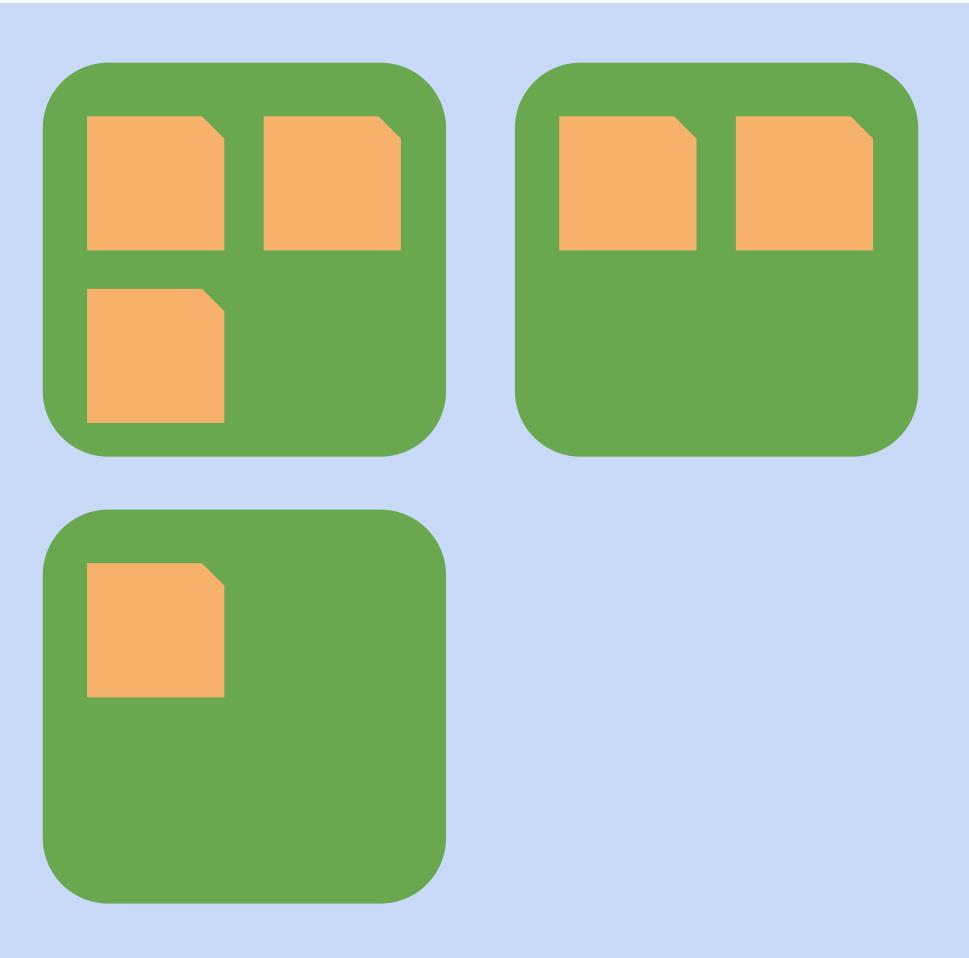


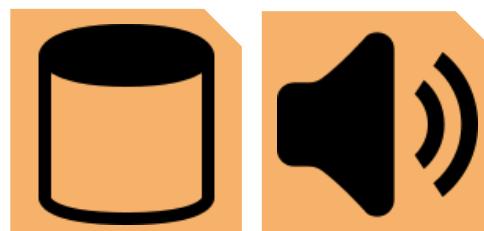
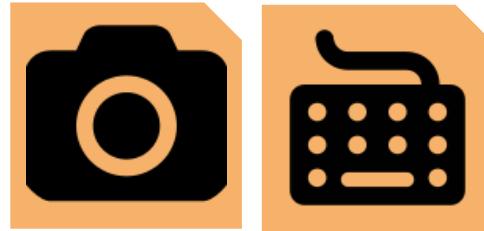
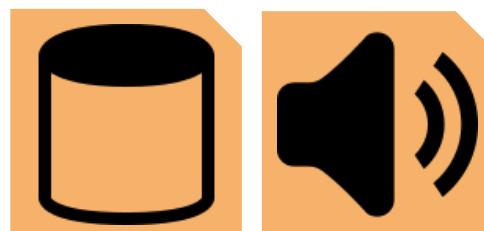
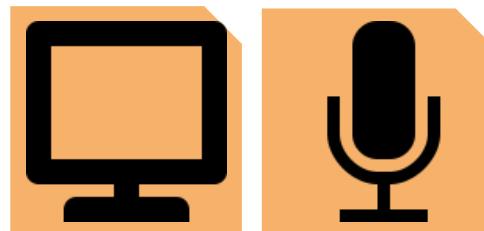
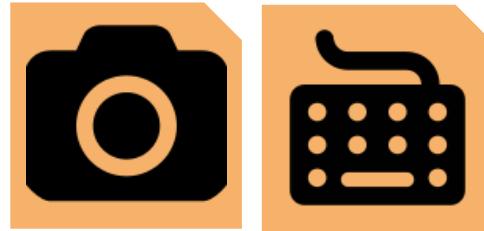
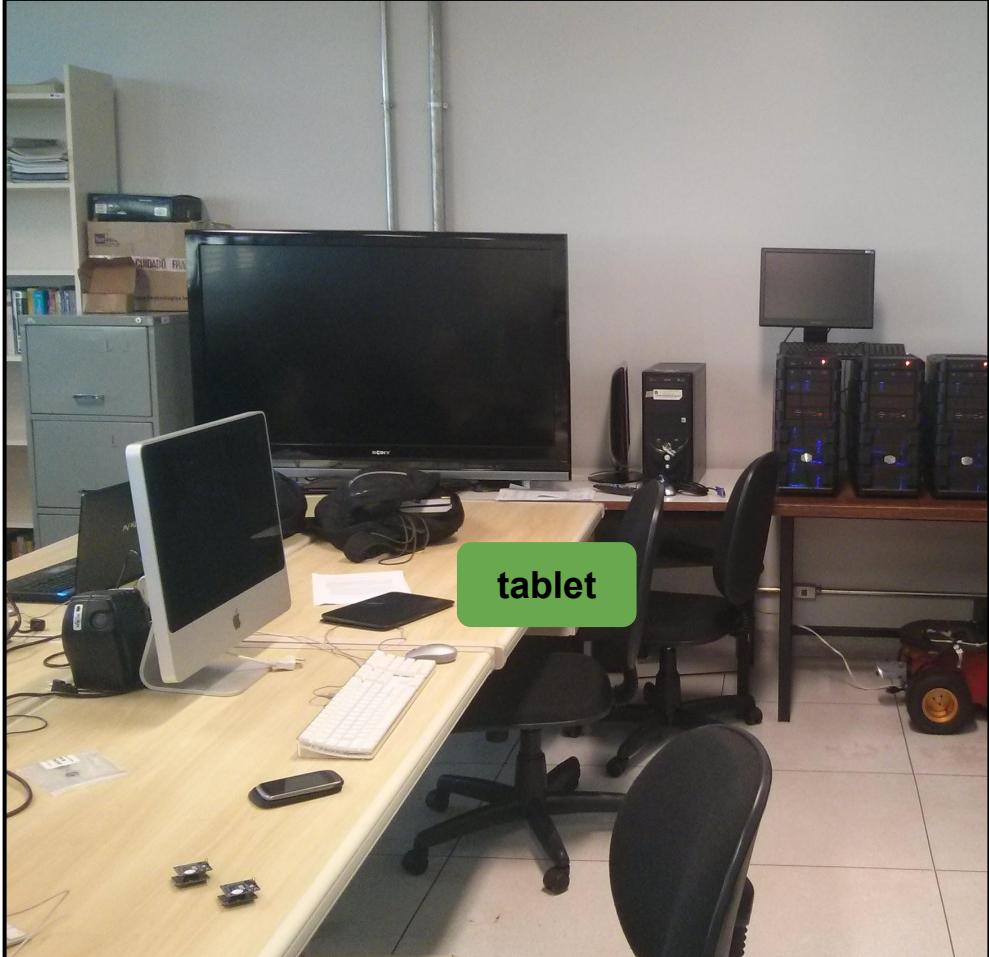
Dispositivo

Ambiente Inteligente



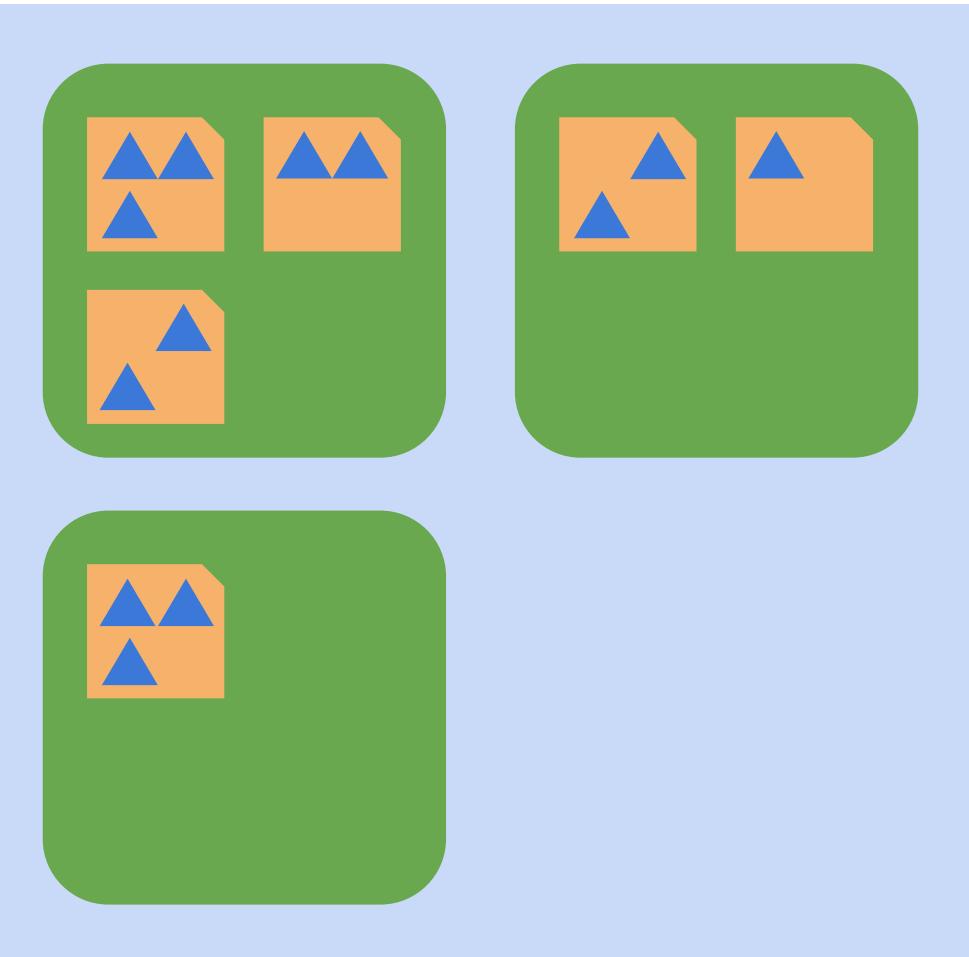
Recurso





Recurso

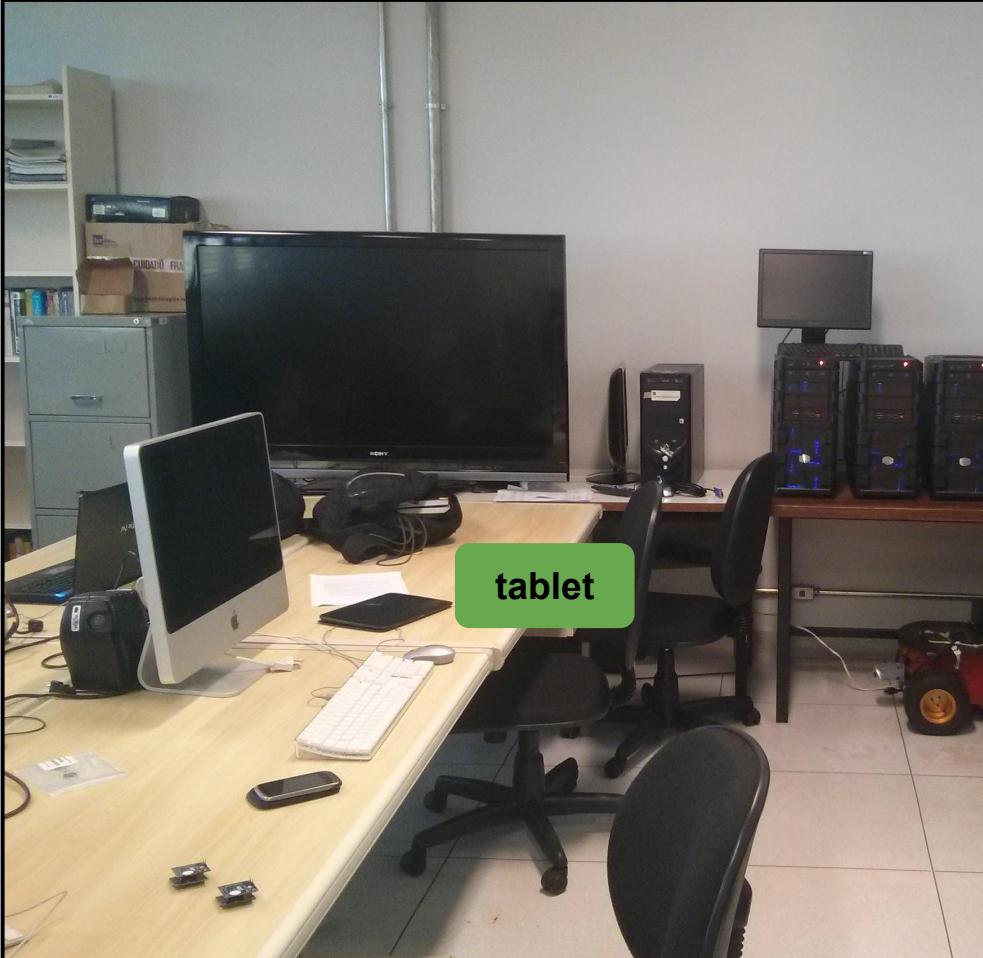
Serviço



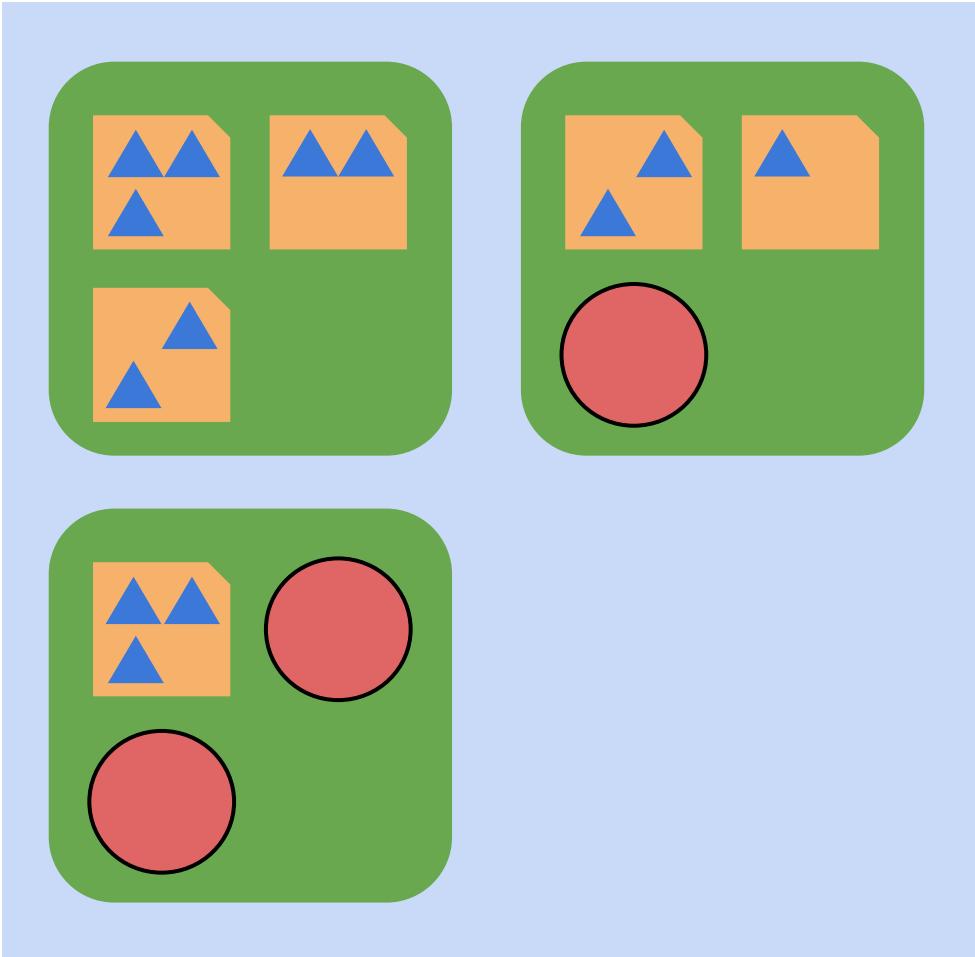
serviço



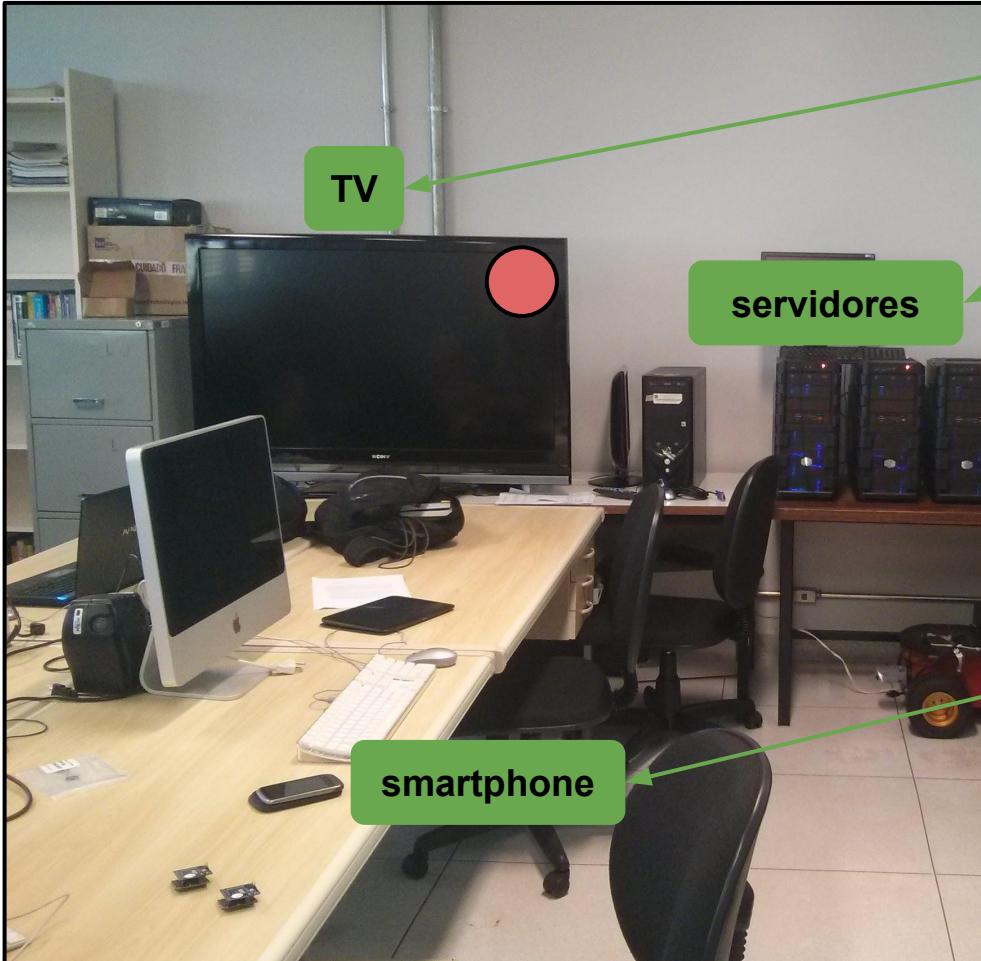
- ▲ Tirar foto
- ▲ Gravar Vídeo
- ▲ Transmitir Live
- ▲ Detecção de Movimento



Aplicação



Aplicação

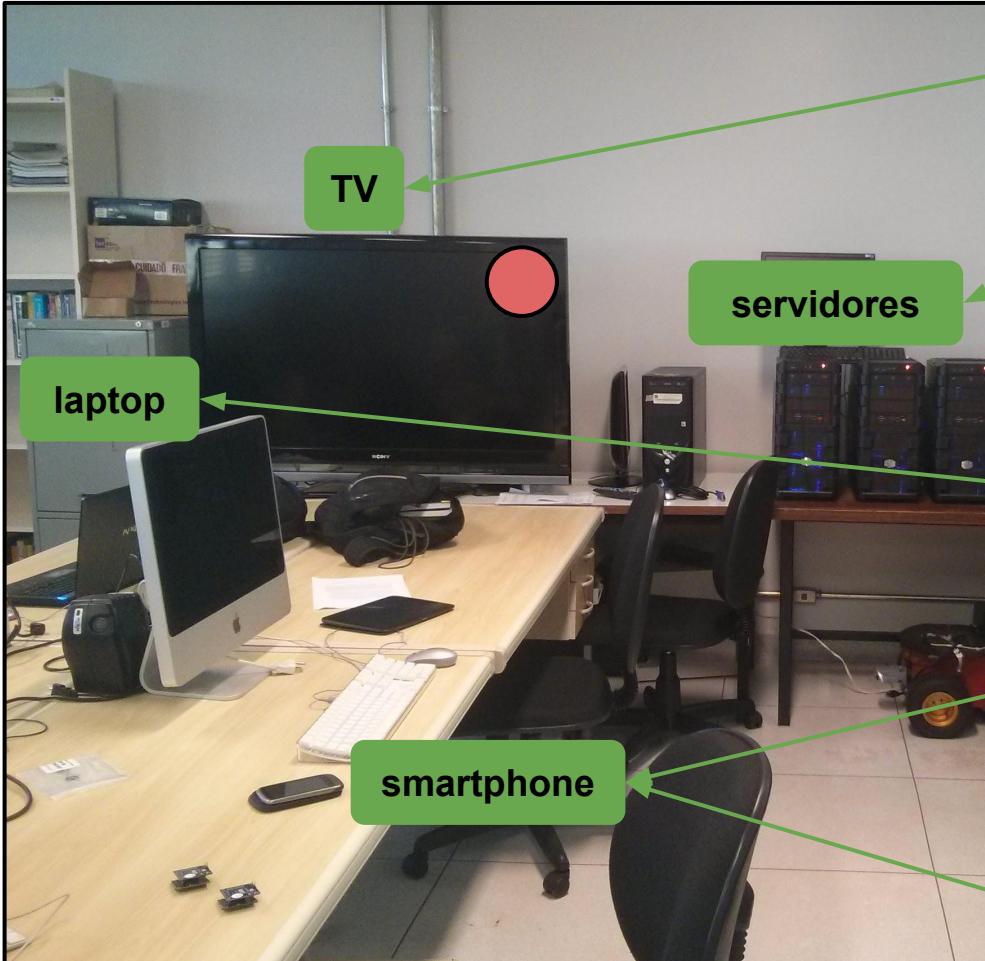


Tela

Informações

Perfil de Usuário

Aplicação



Tela

Agenda

Apresentação

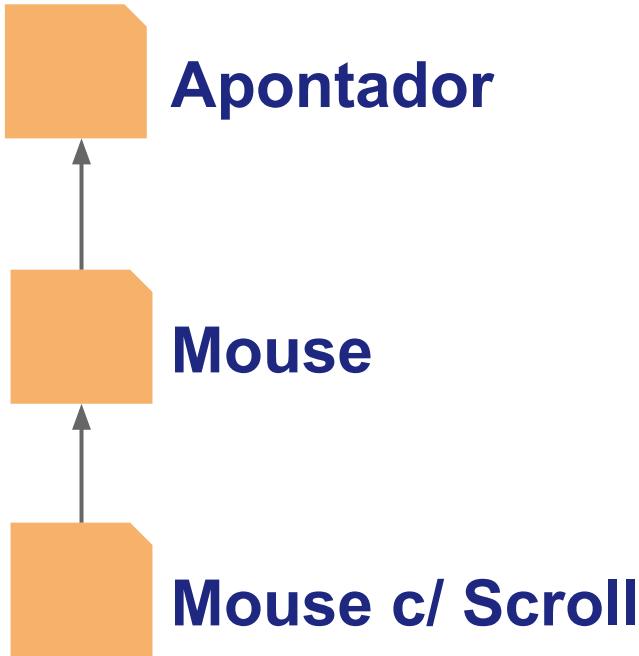
Perfil de Usuário

Mouse

Equivalência

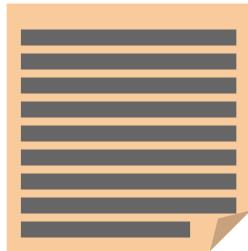
Apontador

Equivaleñcia



Comunicação

Tipo de Tráfego



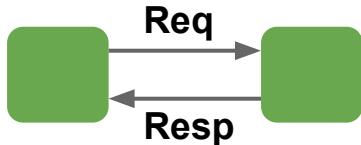
Mensagens Discretas



Dados Contínuos

Comunicação

Forma de Interação



Síncronos



Assíncronos



Ubiquitous Protocols

```
{  
    "name": "Pah_w580i",  
    "networks": [  
        { "Bluetooth": "001F81000250" }  
    ]  
}
```





{



 "name": "nokia.webcam.ns60",
 "services": [. . .],
 "events": [. . .]



}



```
{
```



```
  "name": "snapshot",  
  "parameters": {  
    "width": "MANDATORY",  
    "height": "MANDATORY",  
    "encoding": "OPTIONAL"  
  }
```



```
}
```

Service Call

Service Response

Notify

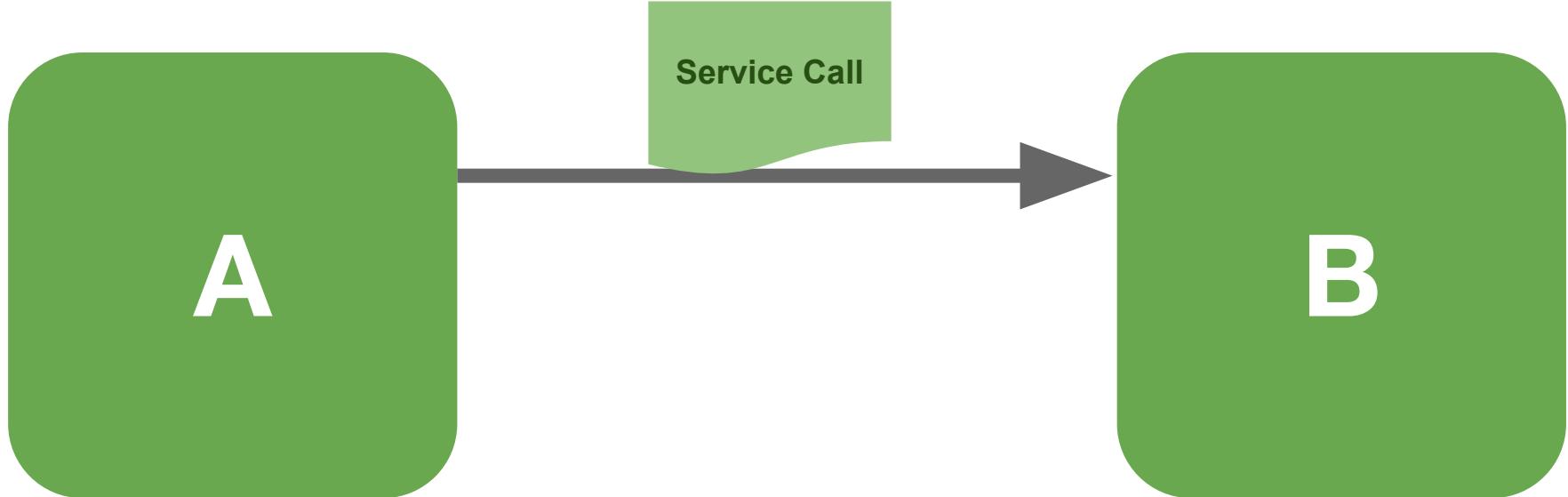
Encapsulated Message

SCP

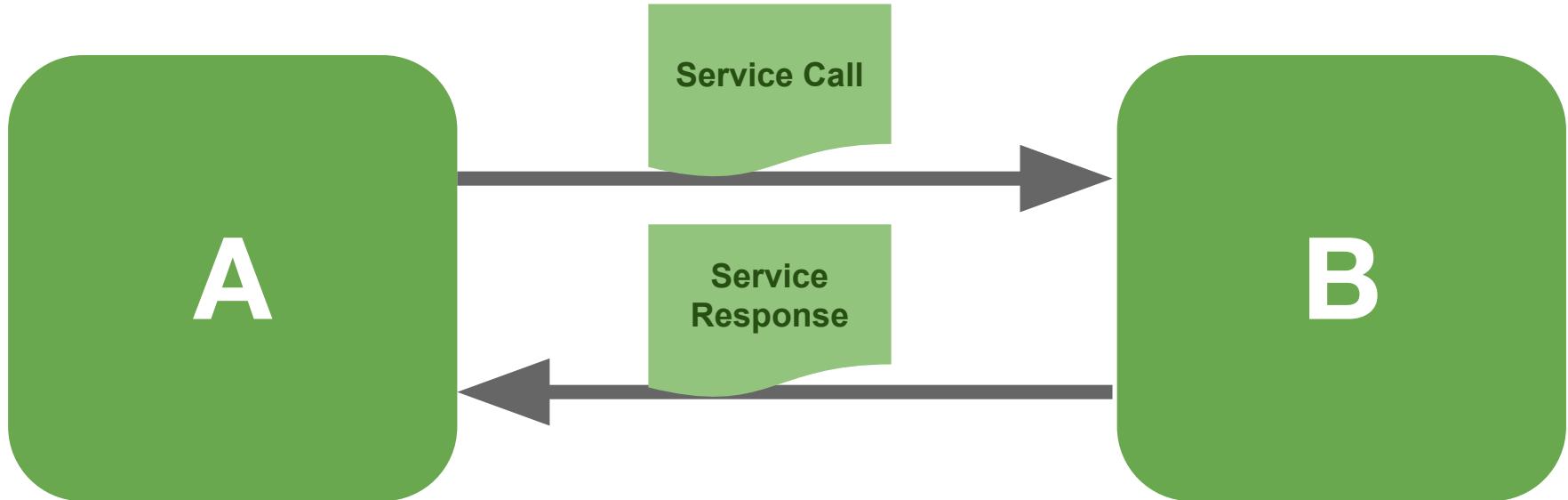
A

B

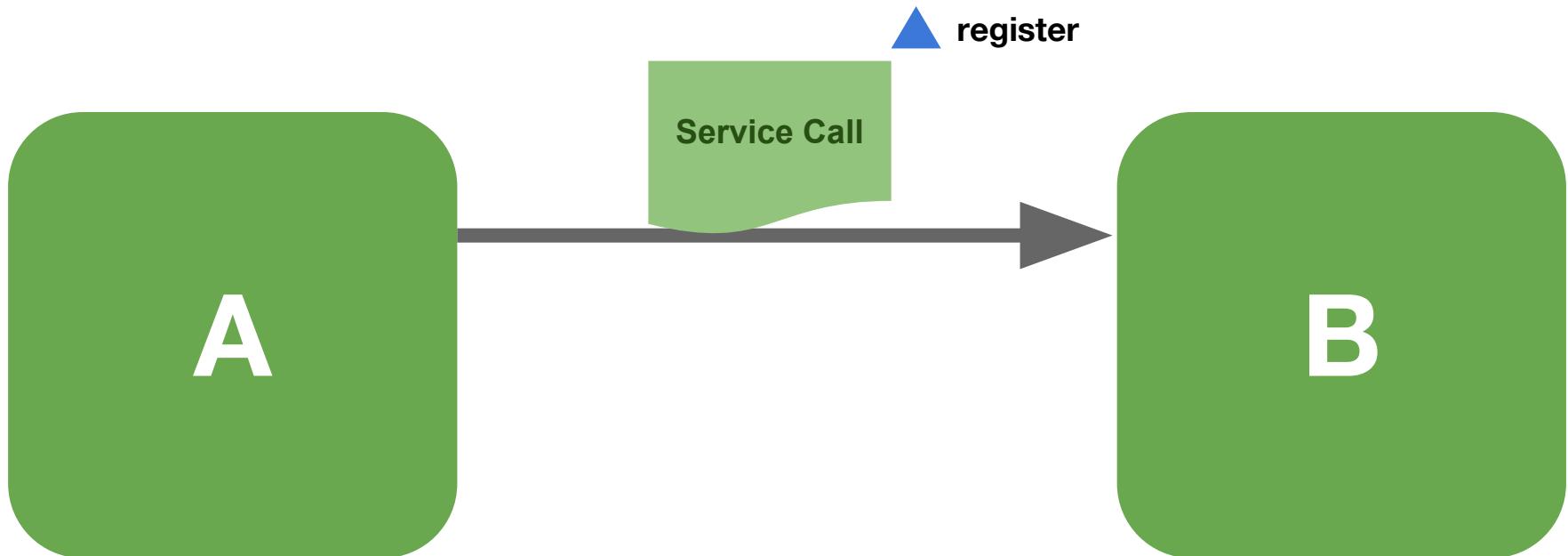
SCP



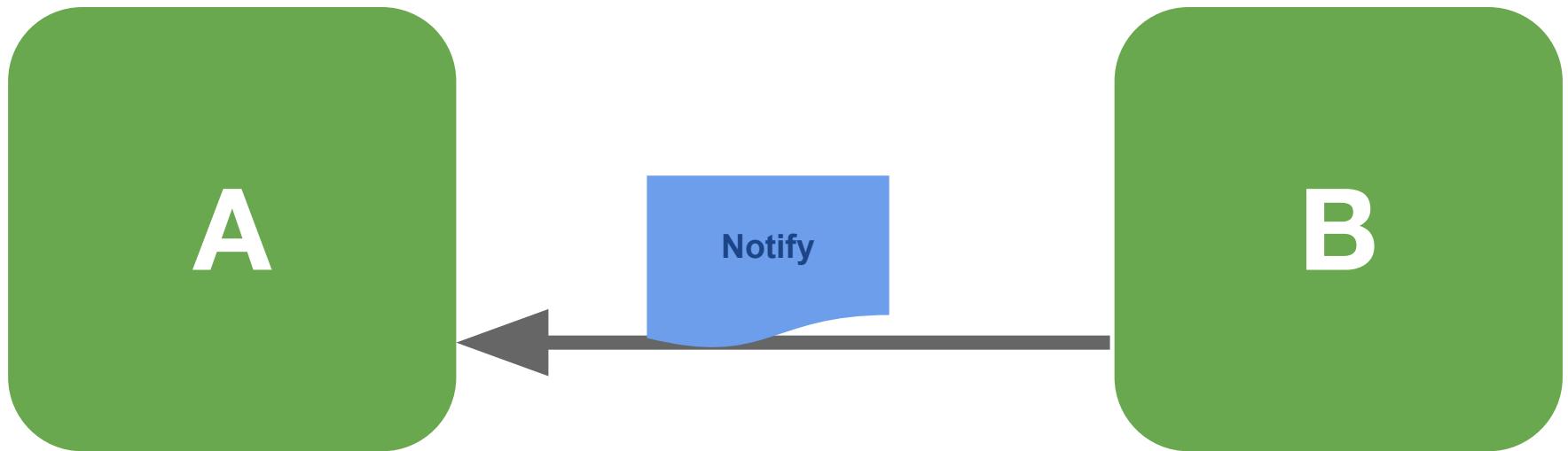
SCP



EVP



EVP



Base

SCP

EVP

Base

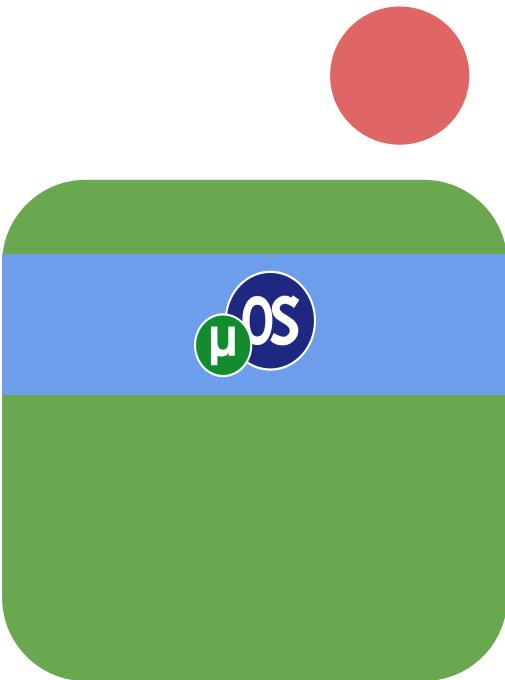
SCP

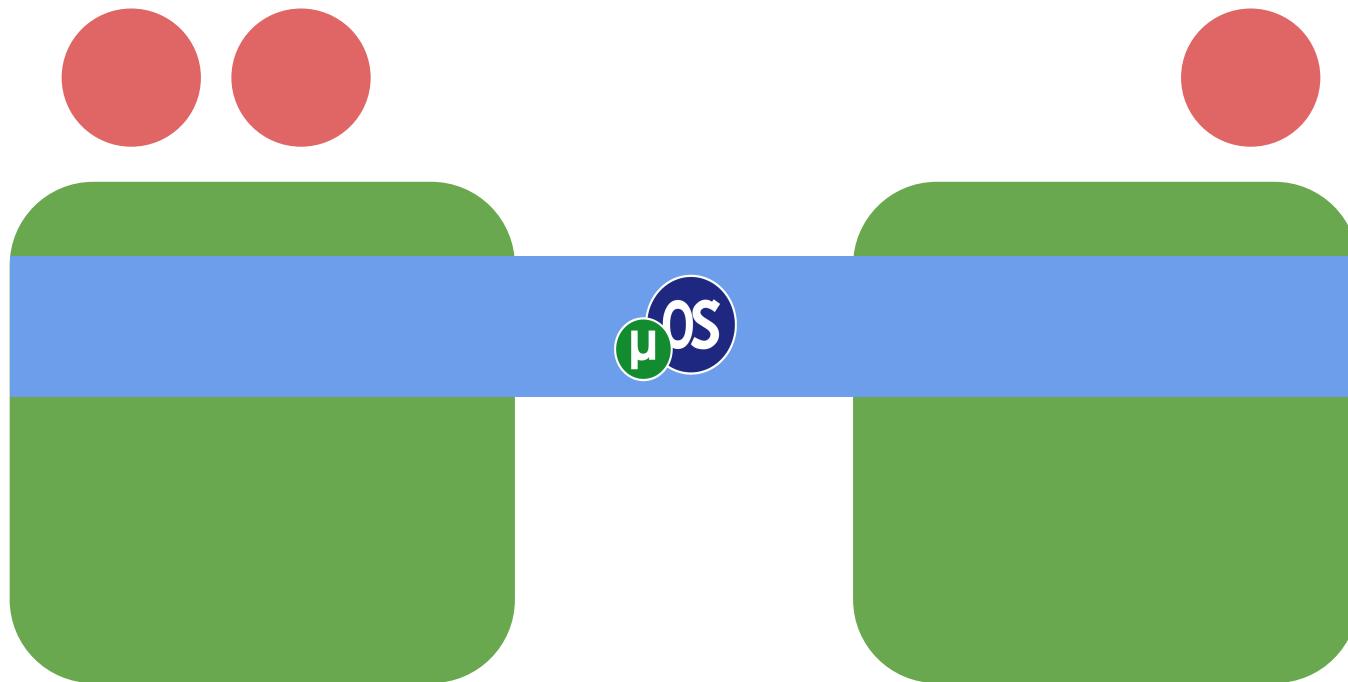
EVP

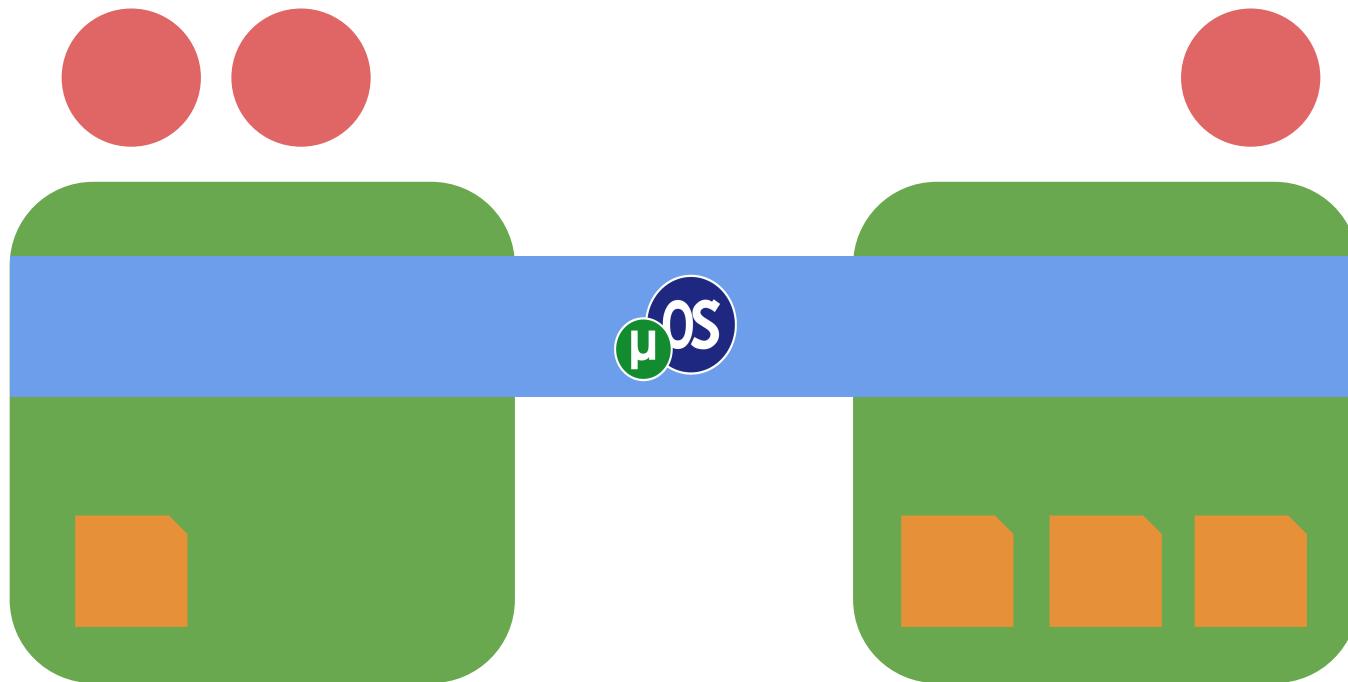
Complementares

Device

Register







Aplicações

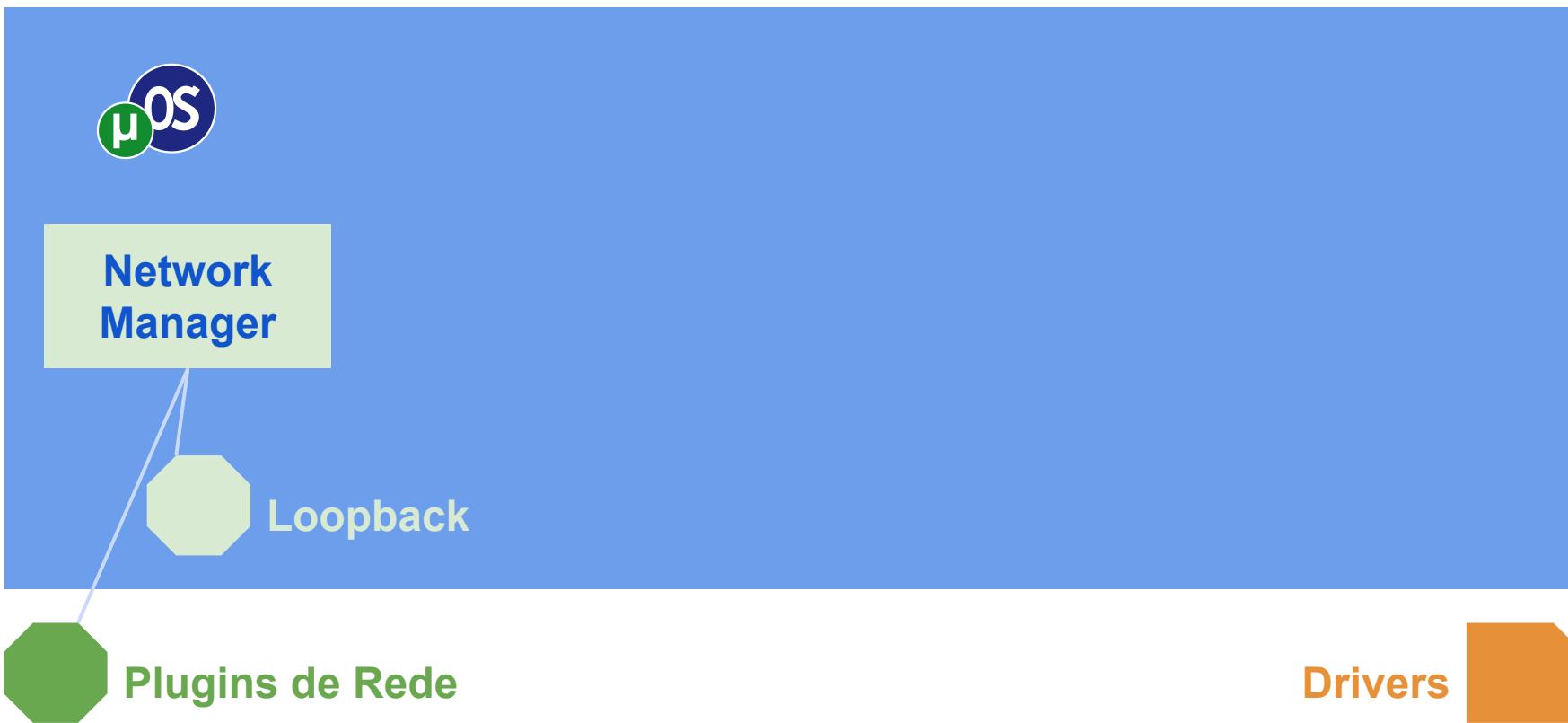


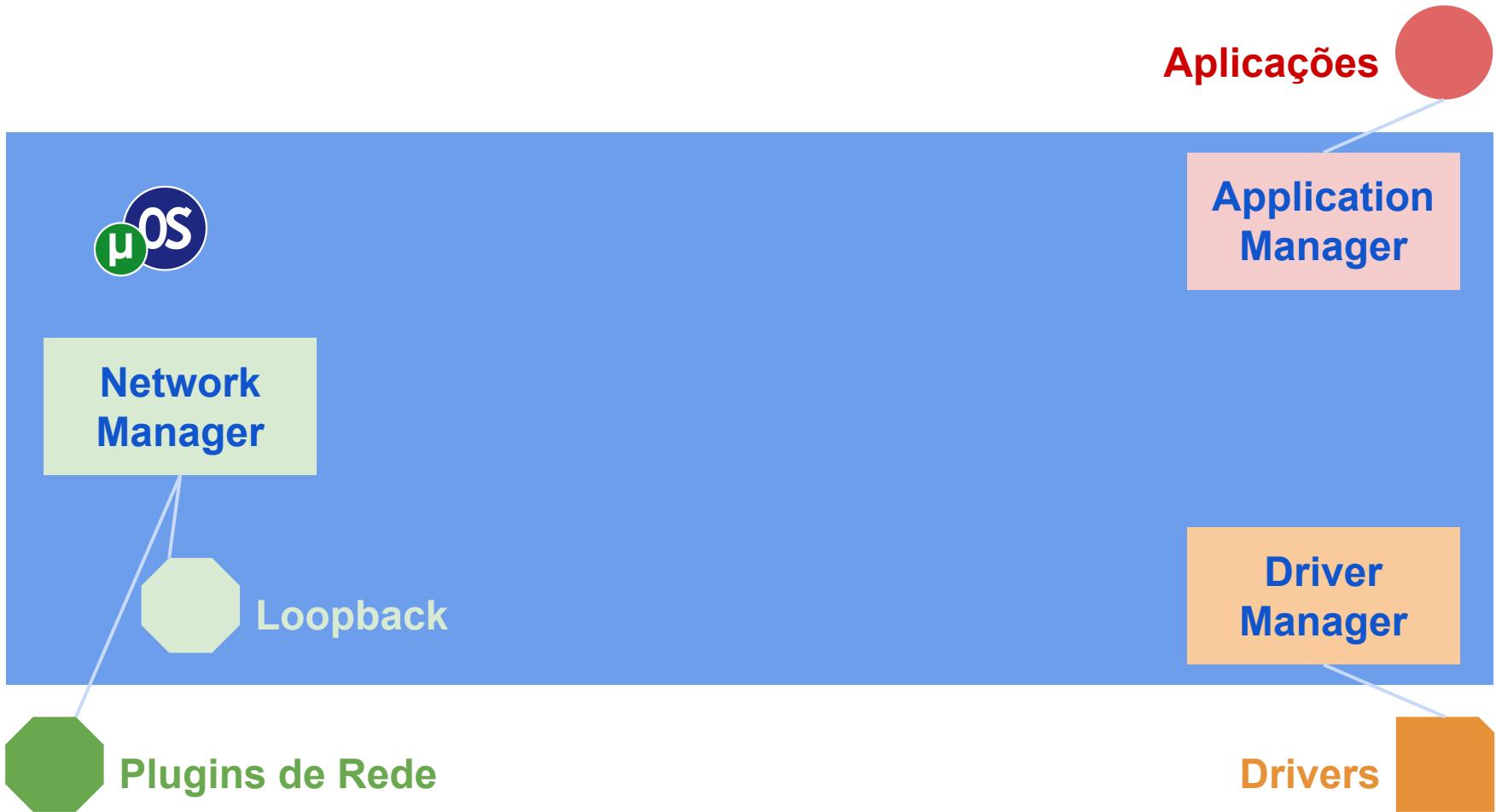
Plugins de Rede

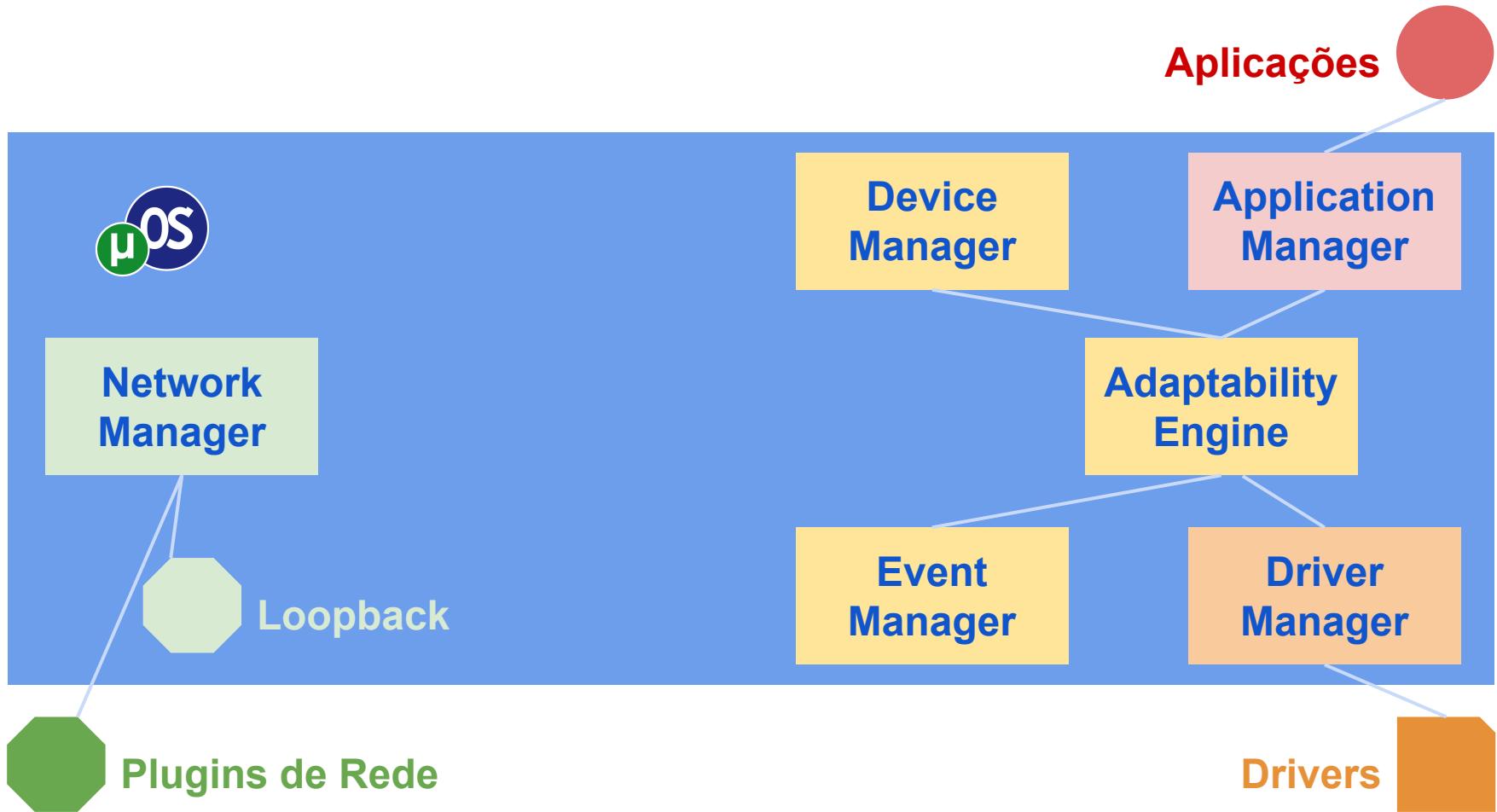
Drivers

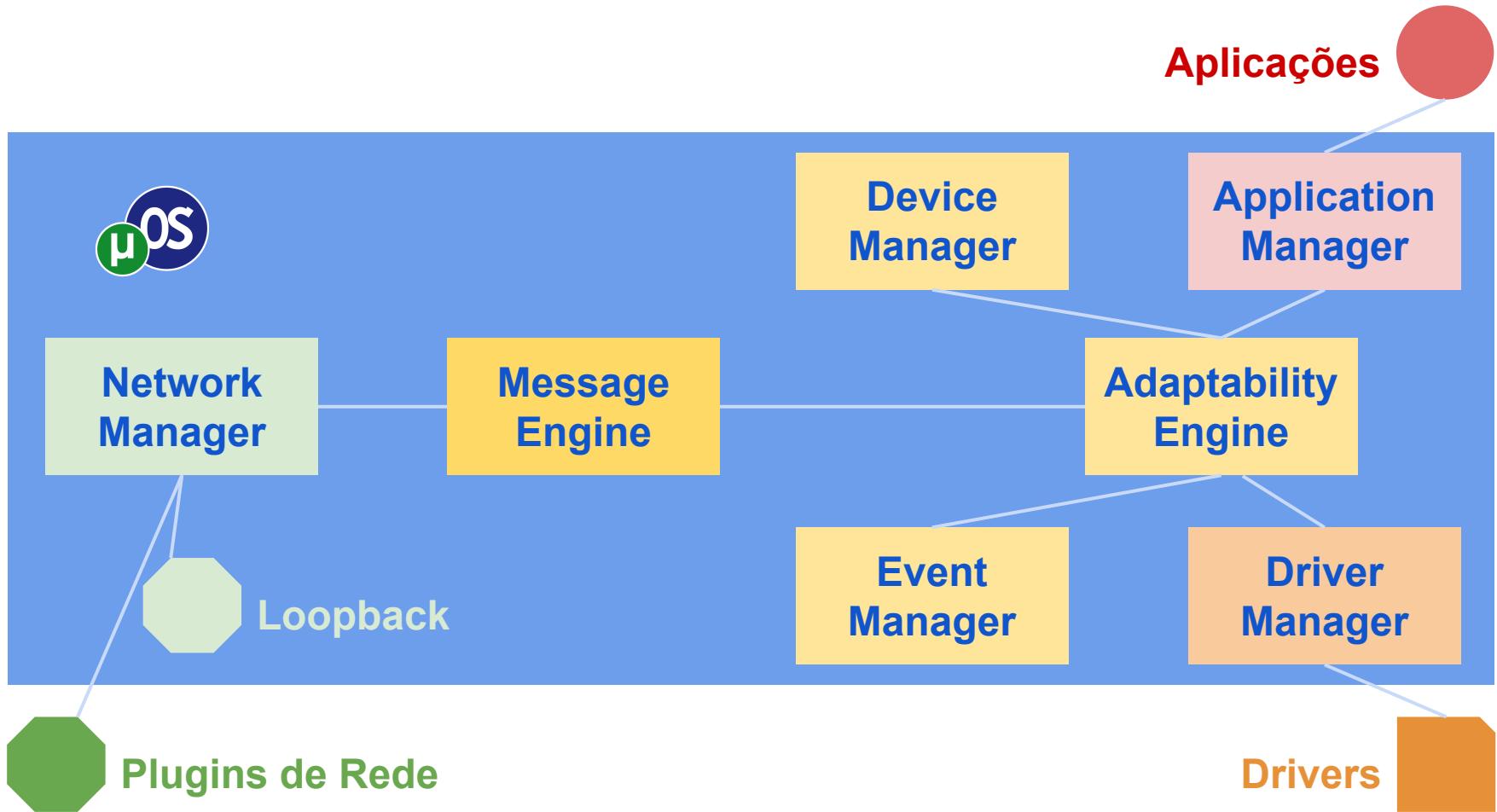


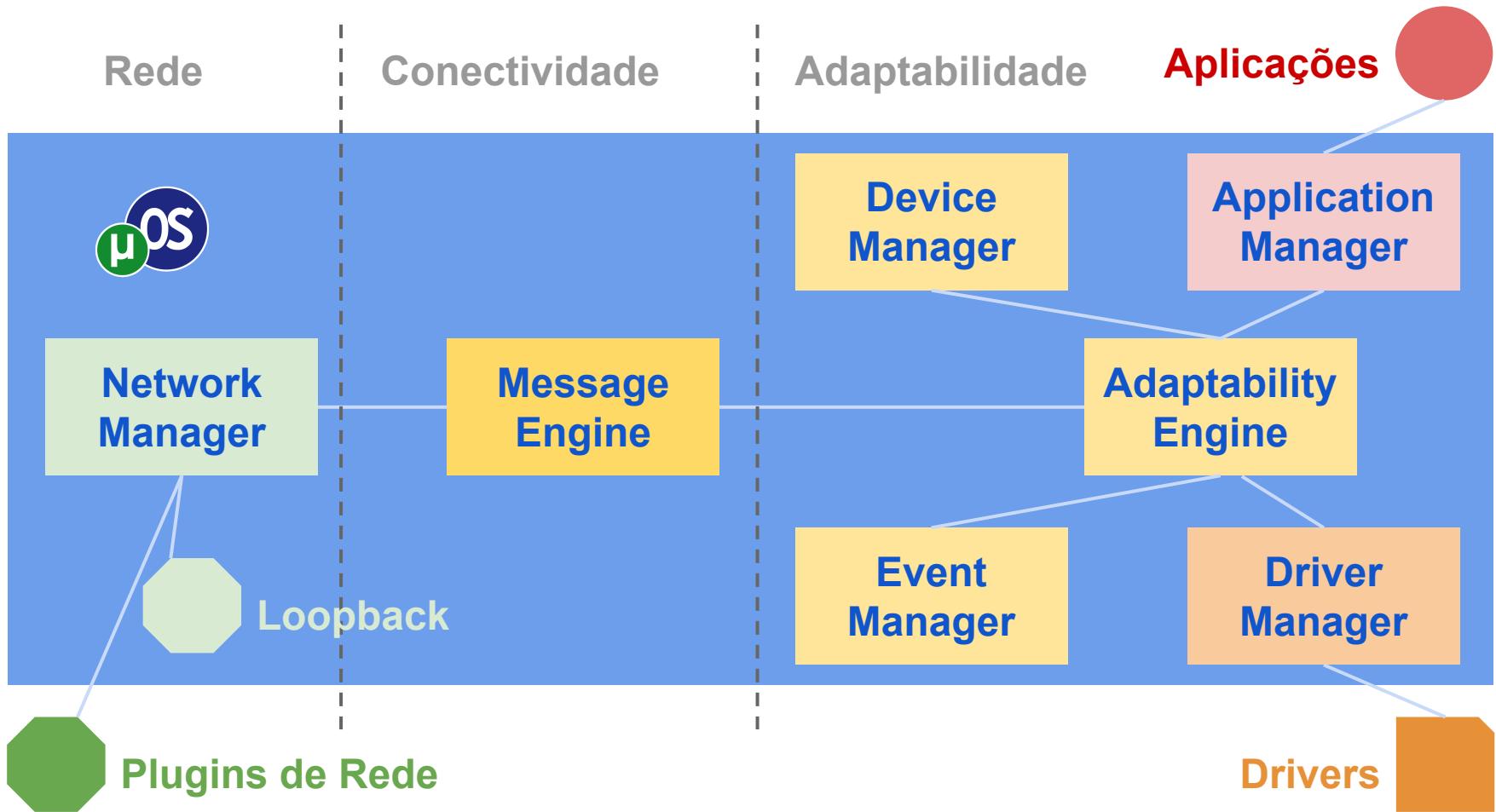
Aplicações















**Fabricio
Nogueira
Buzeto**

Ubizen

Tarefa?

Modelar seu jogo na
plataforma.



Fabricio
Nogueira

WIZEN