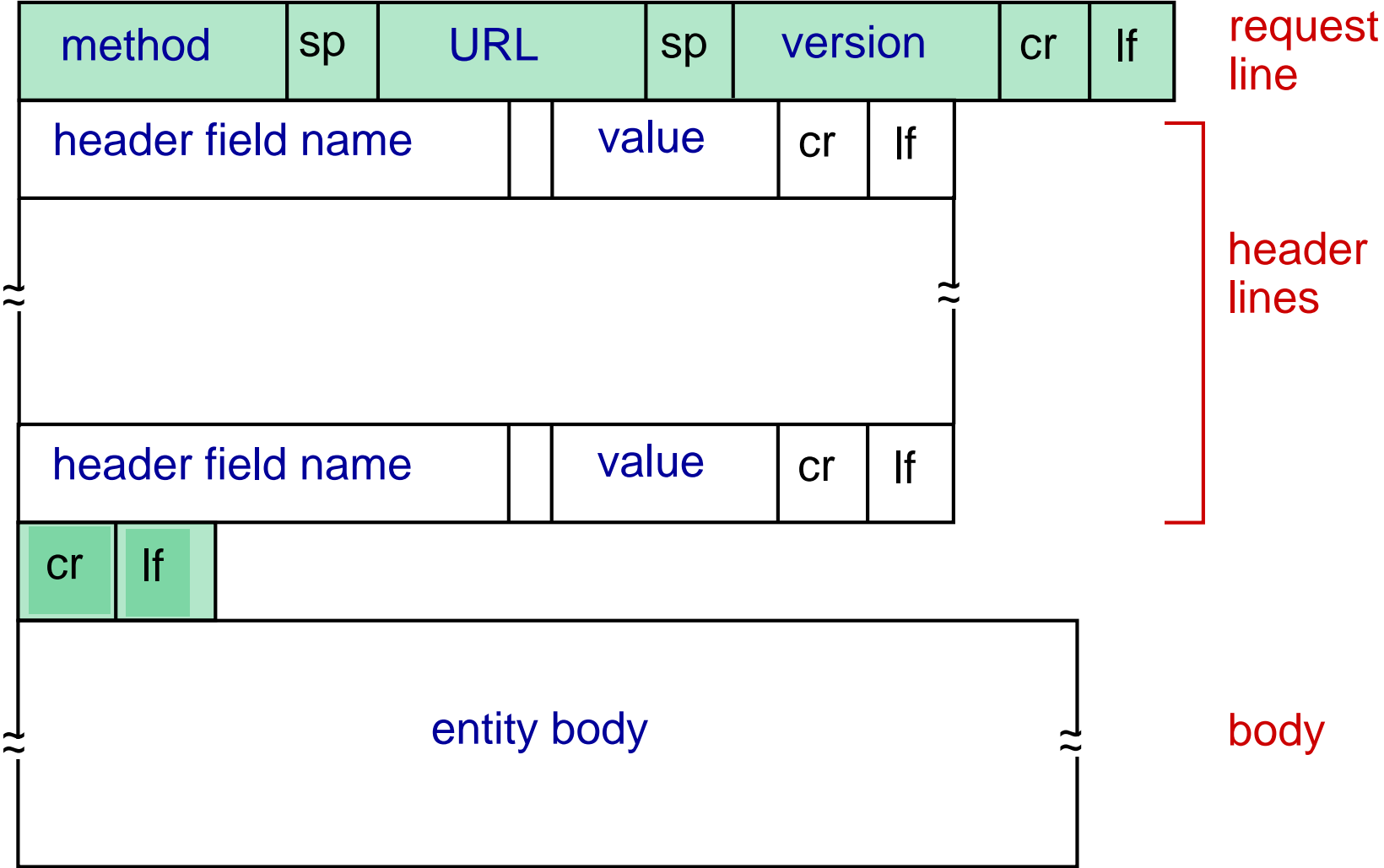


Application HTTP (web) og REST

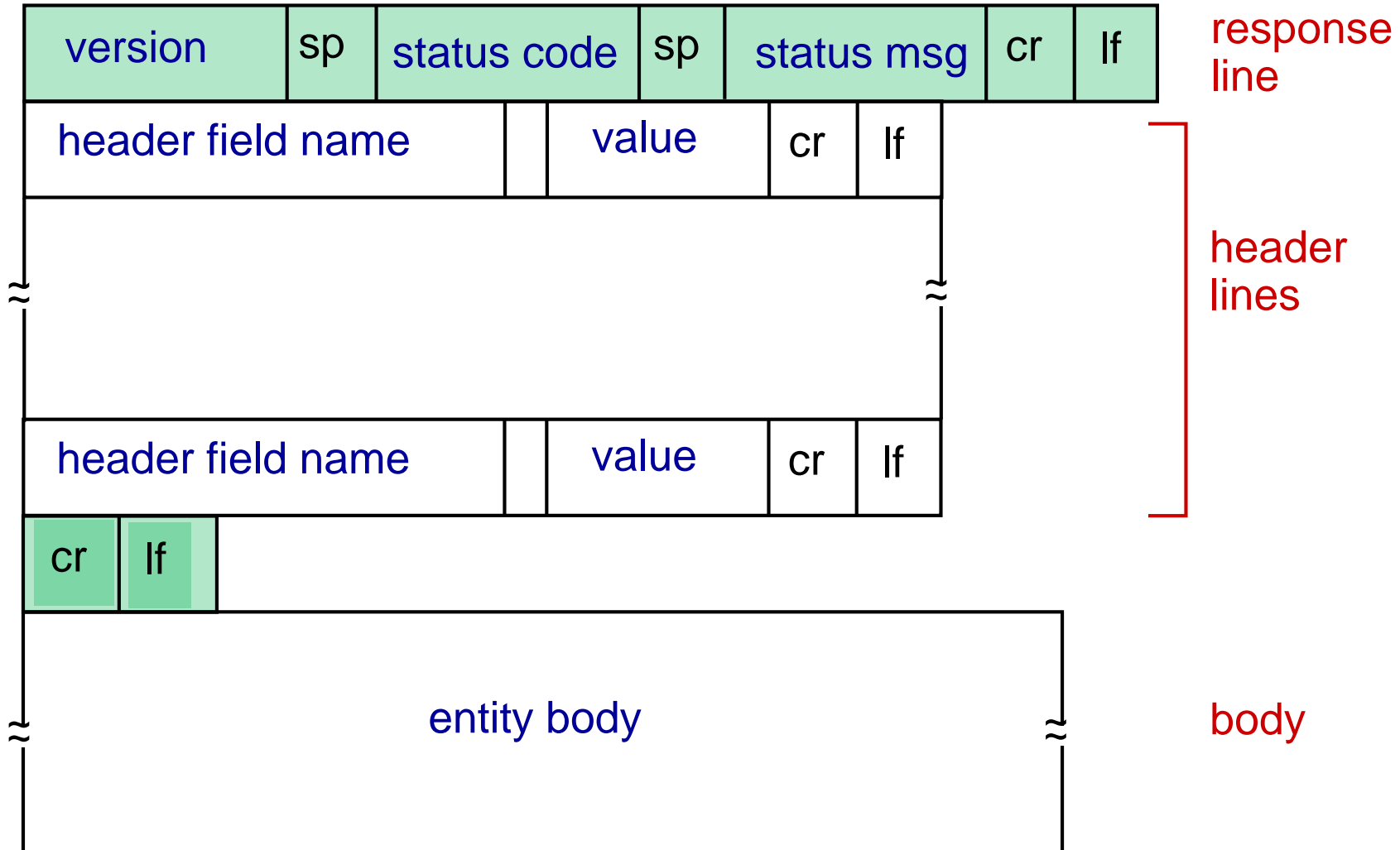
Peter Levinsky, IT Roskilde

17.09.2024

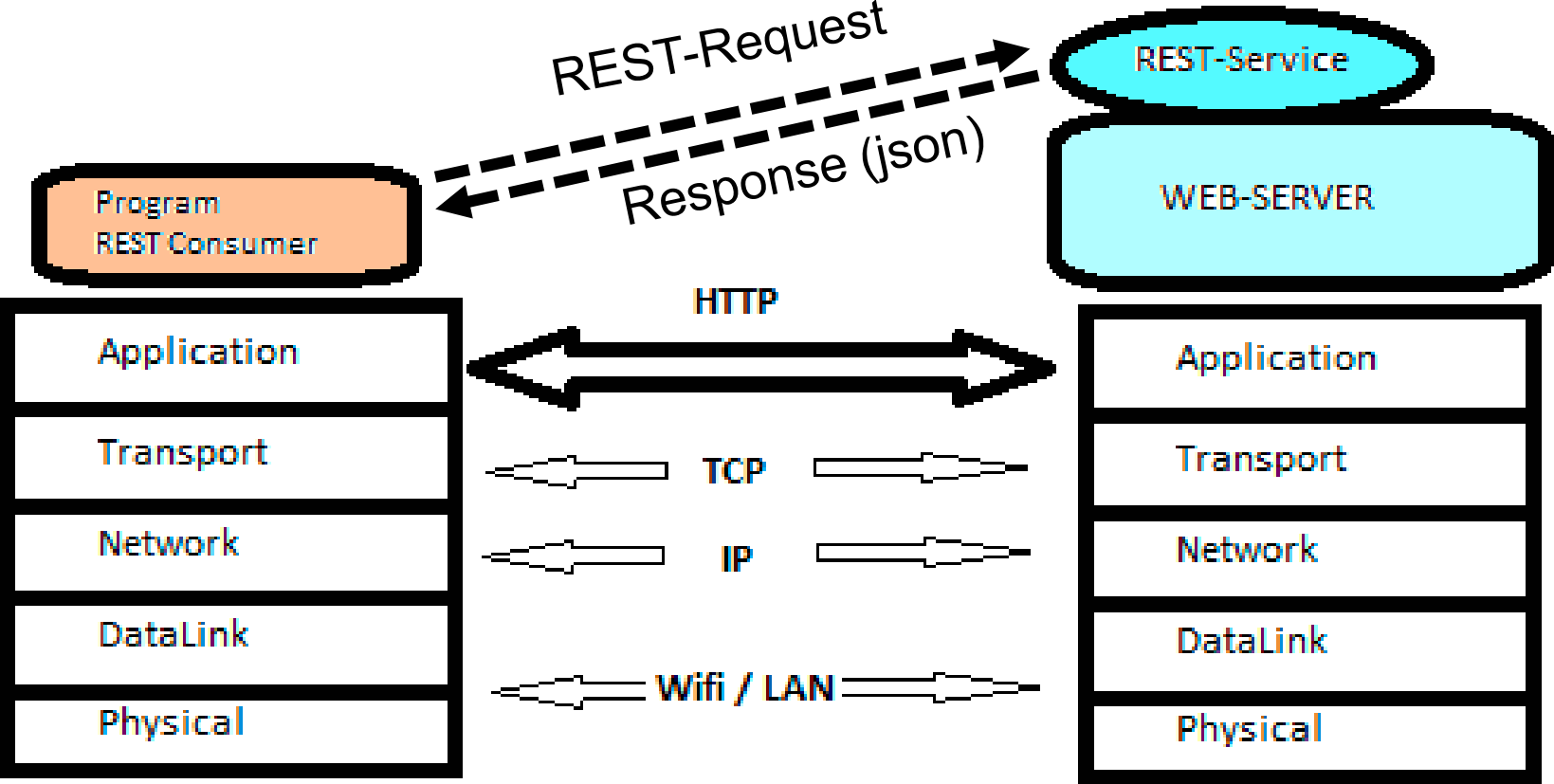
HTTP Request



HTTP Response

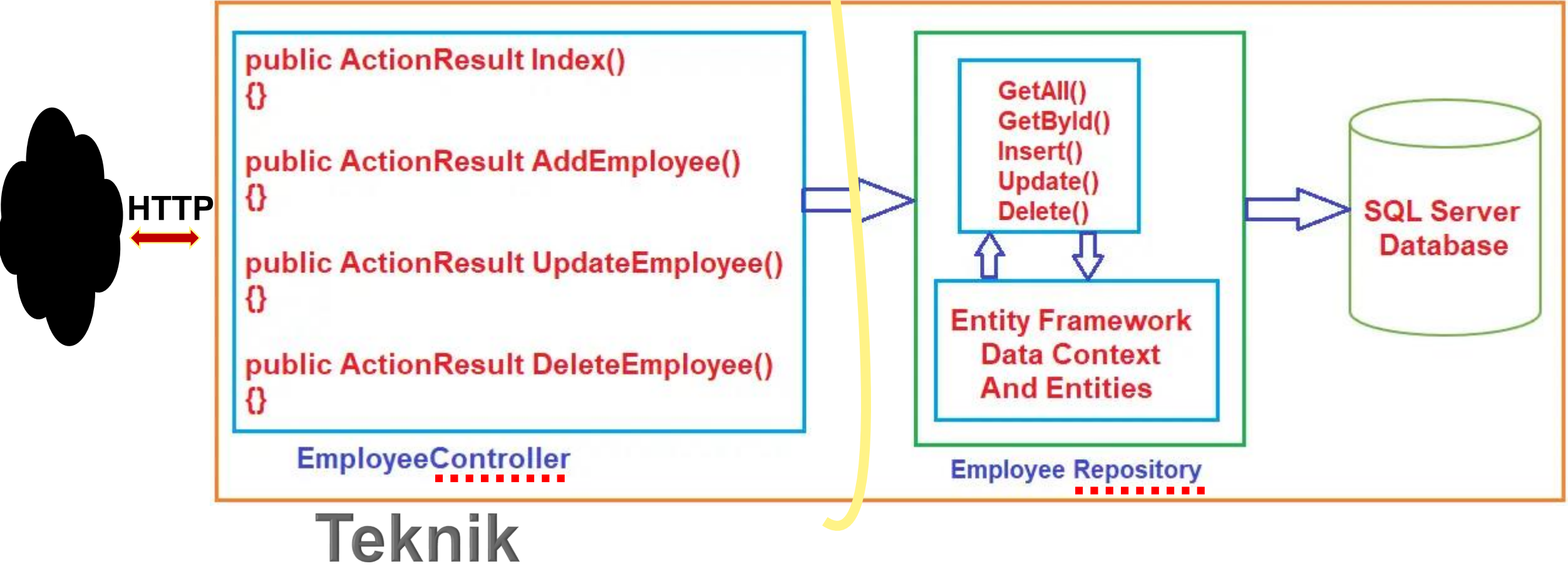


REST (API) - Representational state transfer



REST in C#

Programming



JSON - JavaScript Object Notation

- JSON specification: <https://www.json.org/json-en.html>
- Et Letvægts data-interchange format
- JSON Syntax Rules
 - Data is in name/value pairs
 - Data is separated by commas
 - Curly braces hold objects
 - Square brackets hold arrays

JSON - eksempel

- {"RegNo":"AB12345","Price":345000,"Model":"VW"} =>

Car klasse med properties RegNo(string), Price(int), Model(string)

- [{"RegNo":"AB12345","Price":345000,"Model":"VW"}, {"RegNo":"Olsen","Price":219000,"Model":"Ford"}] =>

List/array af Cars

Which of the following are valid Json Objects?

`{"myList":["myName","Not my Name"]}`

`{"myList": ["myName", "Not my Name"], "moreInfo":"best list ever"}`

`{myList: ["myName", "Not my Name"], "moreInfo":"best list ever"}`

`{"myList": [{"name": "other name"}, "myName", "Not my Name"]}`

`{1, 2, 4, 8}`

`[1,2,4,"not a number"]`

`{"myList": [{"name": "other name", "list":[1,2,3]}, "myName", "Not my Name"]}`

`["myList": [{"name": "other name", "list": [1, 2, 3]}, "myName", "Not my Name"]]`

SLUT

