Case Study: Slideshow

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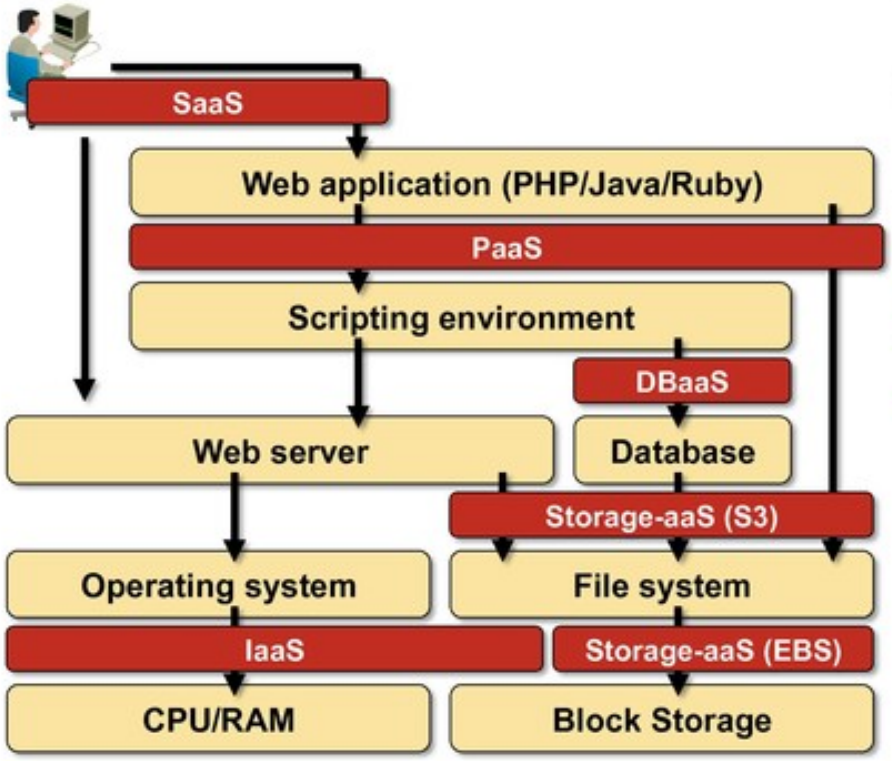
Target#1

Cloud Services Taxonomy 101



Interesting: **IaaS**

Others run over TCP

Key ingredients

- Scalability
- Orchestration
- On-demand

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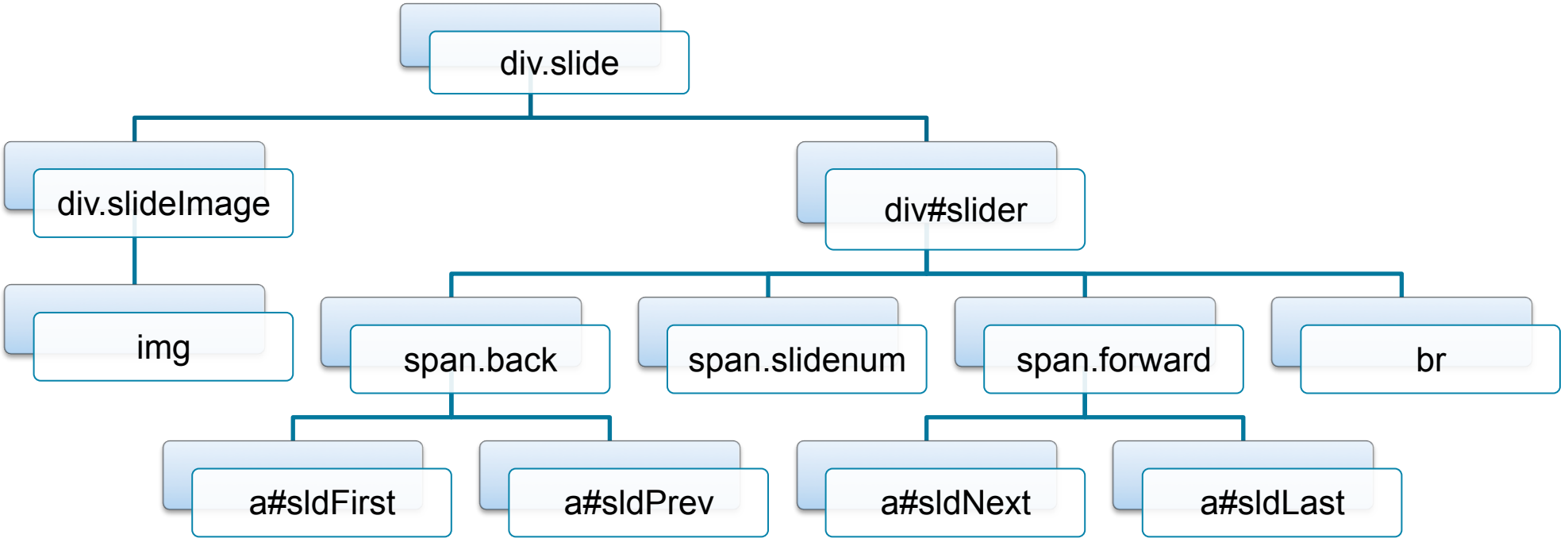
«« First « Prev 4/17 Next » Last »»

HTML Markup

```
<div class="slide">
  <div class="slideImage">
    <img src="...">
  </div>
  <div id="slider">
    <span class="back">
      <a href="..." id="sldFirst">«« First</a>
      <a href="..." id="sldPrev">« Prev</a>
    </span>
    <span class="slidenum">2/23</span>
    <span class="forward">
      <a href="..." id="sldNext">Next »  </a>
      <a href="..." id="sldLast">Last »»</a>
    </span>
    <br />
  </div>
</div>
```

DOM/CSS Hierarchy



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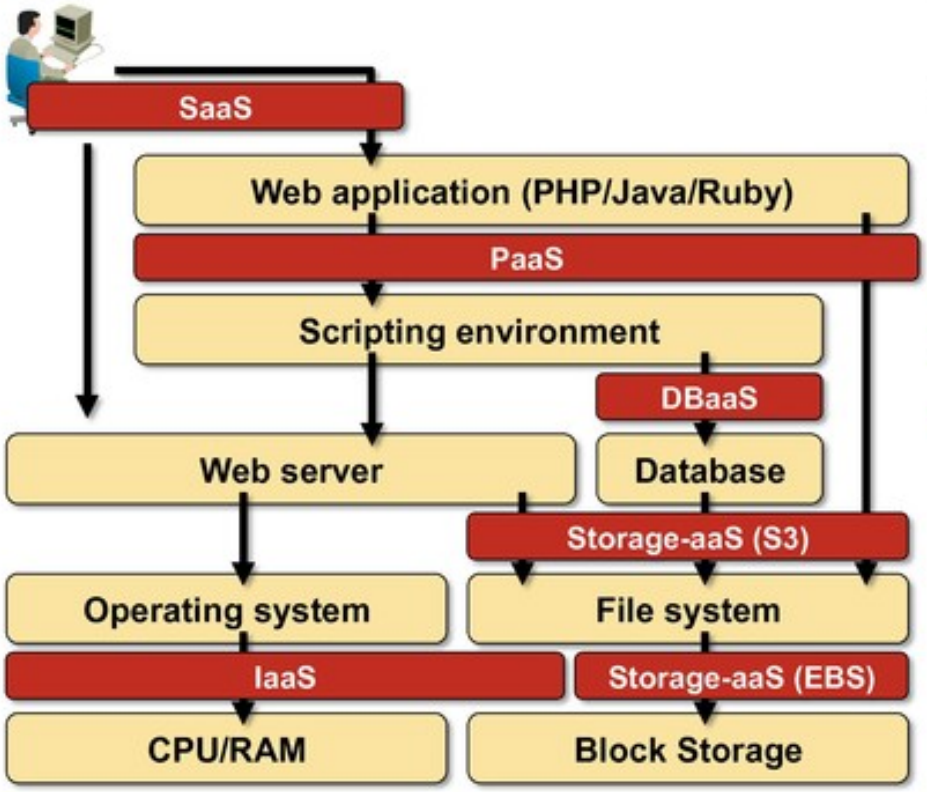
Immediate Results

Cloud Services Taxonomy 101



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Challenges

- Border around the slide
- Centered image
- Centered slide number
- Links on left and right edges

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Obvious Solution

```
.slide { border: 2px outset; }
.slide img { padding: 4px; display: block; margin: 0 auto; }
.slide #slider {
        border-top: 1px solid;
        font-size: 90%;
        text-align: center }
.slide #slider .back {
        float: left;
        padding-left: 1em; }
.slide #slider .forward {
        float: right;
        padding-right: 1em; }
```


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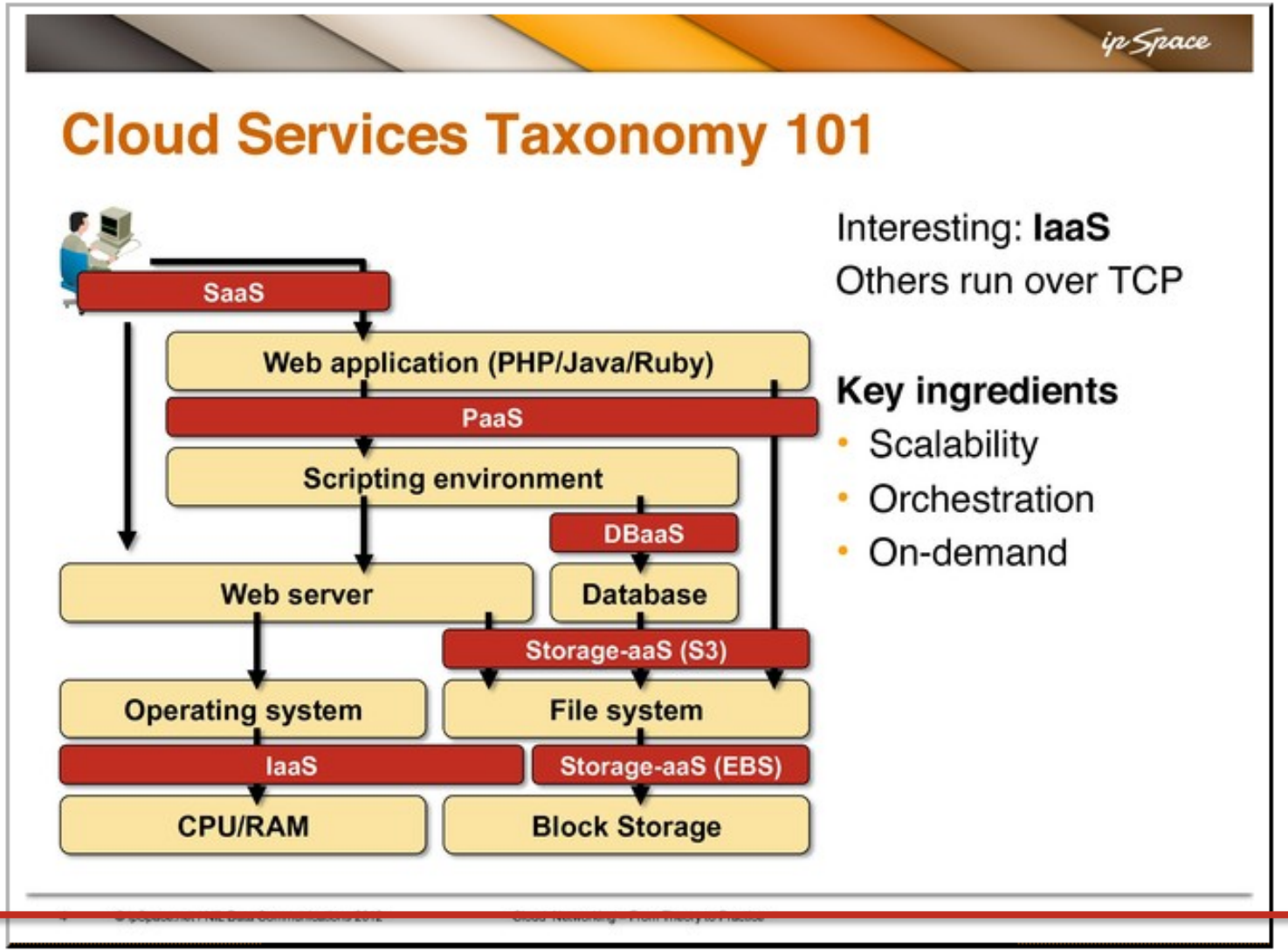
Removing Slide Number



Clearing the Box

```
.slide { border: 2px outset; }
.slide img { padding: 4px; display: block; margin: 0 auto; }
.slide #slider {
        border-top: 1px solid;
        font-size: 90%;
        text-align: center }
.slide #slider .back { float: left; padding-left: 1em; }
.slide #slider .forward { float: right; padding-right: 1em; }
.slide #slider br { clear: both; }
```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Target#2

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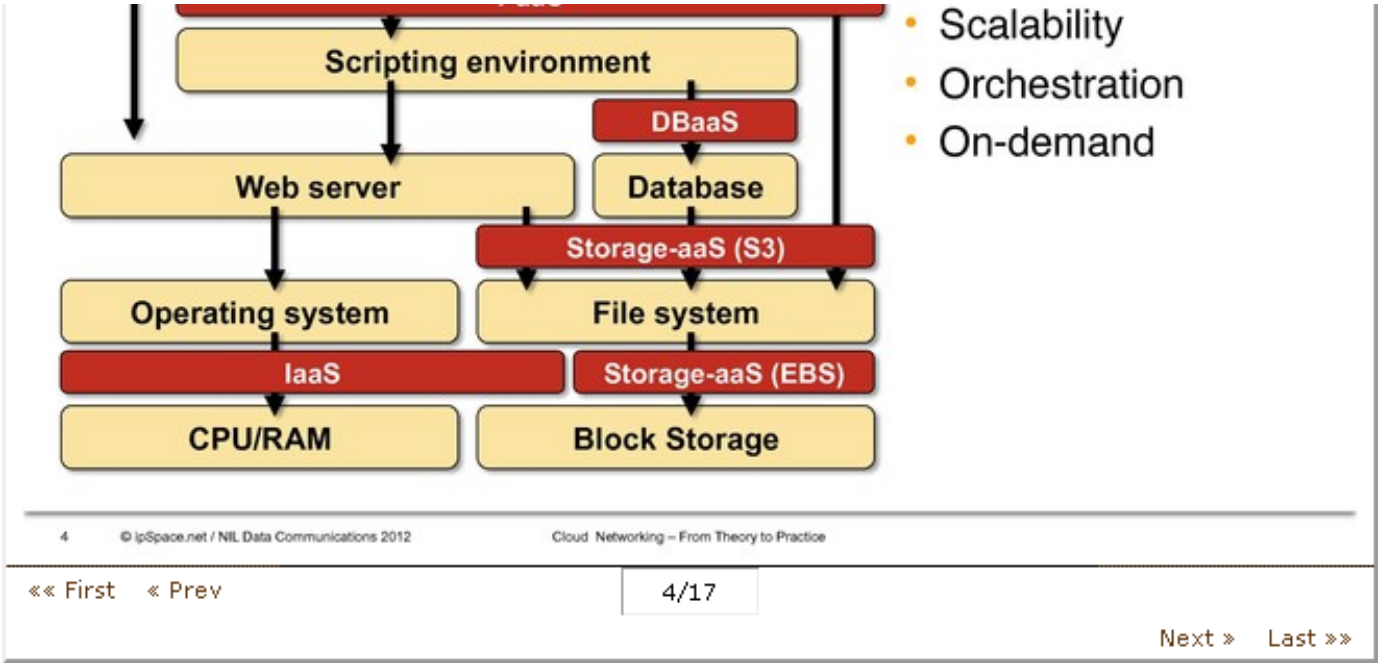
Initial Attempt: Use Auto Margins

```
.slide span.slidenum {
  width: 6em;
  display: block;
  margin: auto auto;
}
```



Problems:

- Vertical alignment doesn't work
- Right-hand links are floated **below** center SPAN

display: block-inline might work well (IE8 and above)

Solution: Absolute Positioning

```
.slide #slider {
  background-color: #D1BFAB;
  position: relative; height: 2.6em;
}
.slide #slider span.slidenum {
  display: block;
  position: absolute;
  width: 6em; height: 2em;
  top: 50%; margin-top: -1em;
  left: 50%; margin-left: -3em;
}
```

More Absolute Positioning

```
.slide #slider span a {
  display: block;
  position: absolute;
  width: 7em; height: 2em;
  top: 50%; margin-top: -1em;}
.slide #slider a#sldFirst { left: 1em; }
.slide #slider a#sldPrev { left: 9em; }
.slide #slider a#sldLast { right: 1em; }
.slide #slider a#sldNext { right: 9em; }
```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Questions?