

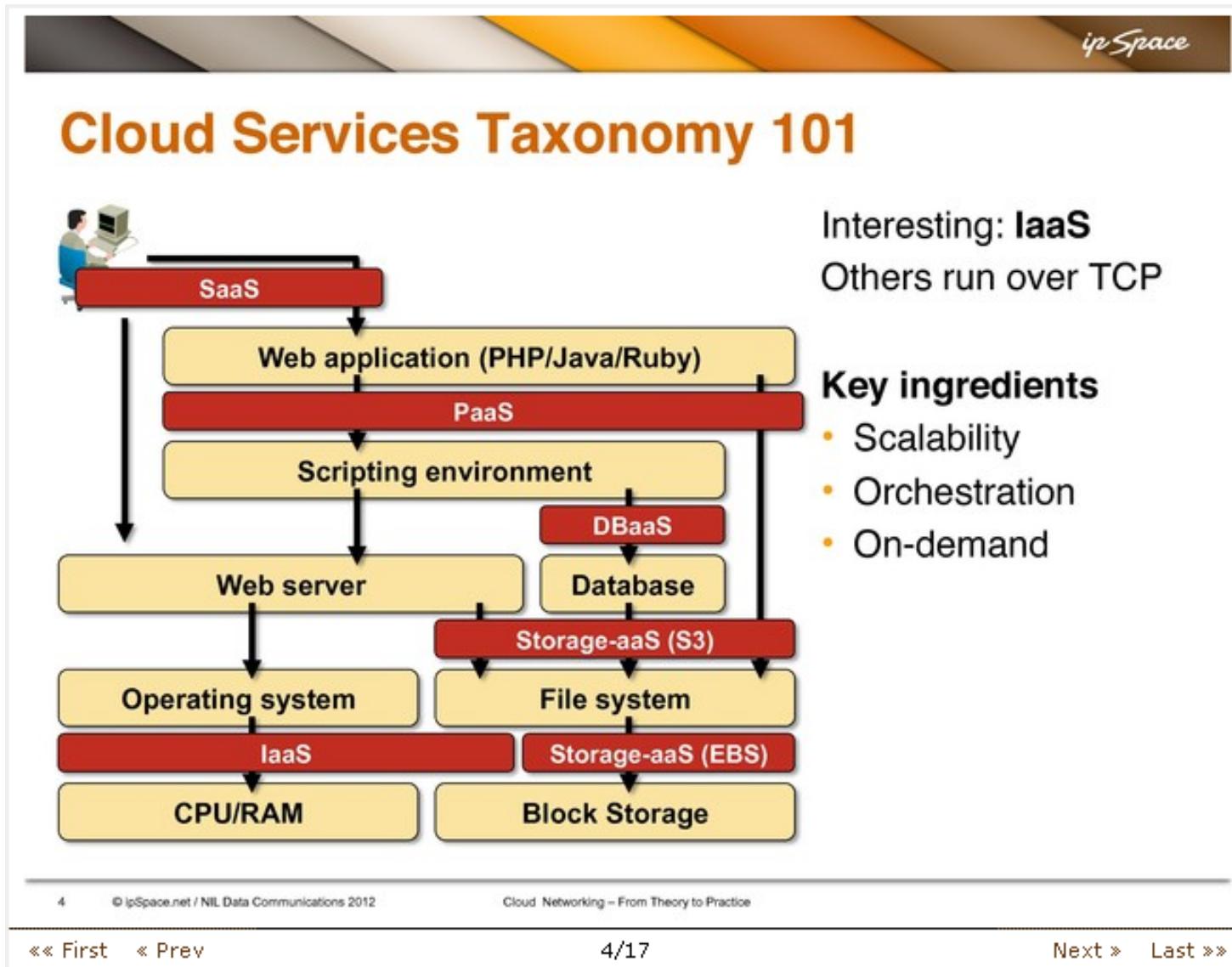
# Case Study: Slideshow

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The background features a series of overlapping diagonal rectangles in shades of yellow, orange, and brown, creating a layered effect. In the lower right quadrant, the word "ipSpace" is written in a white, cursive, sans-serif font.

ipSpace

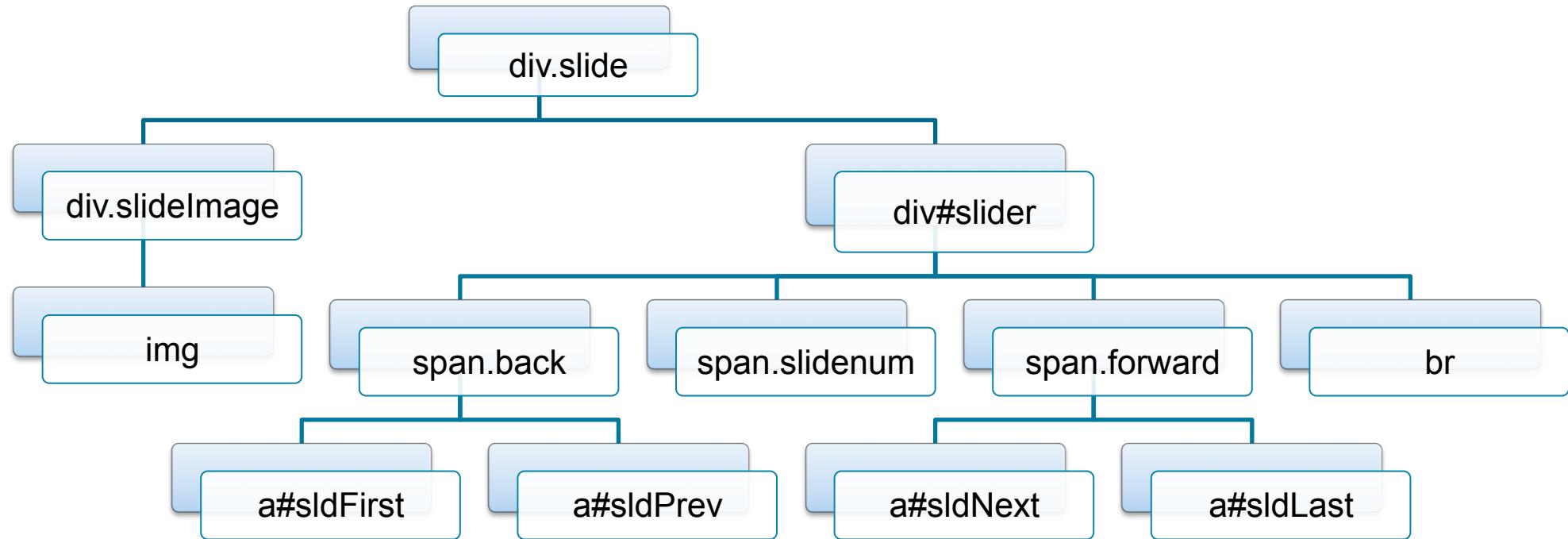
# Target#1



# HTML Markup

```
<div class="slide">
  <div class="slideImage">
    
  </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>
```

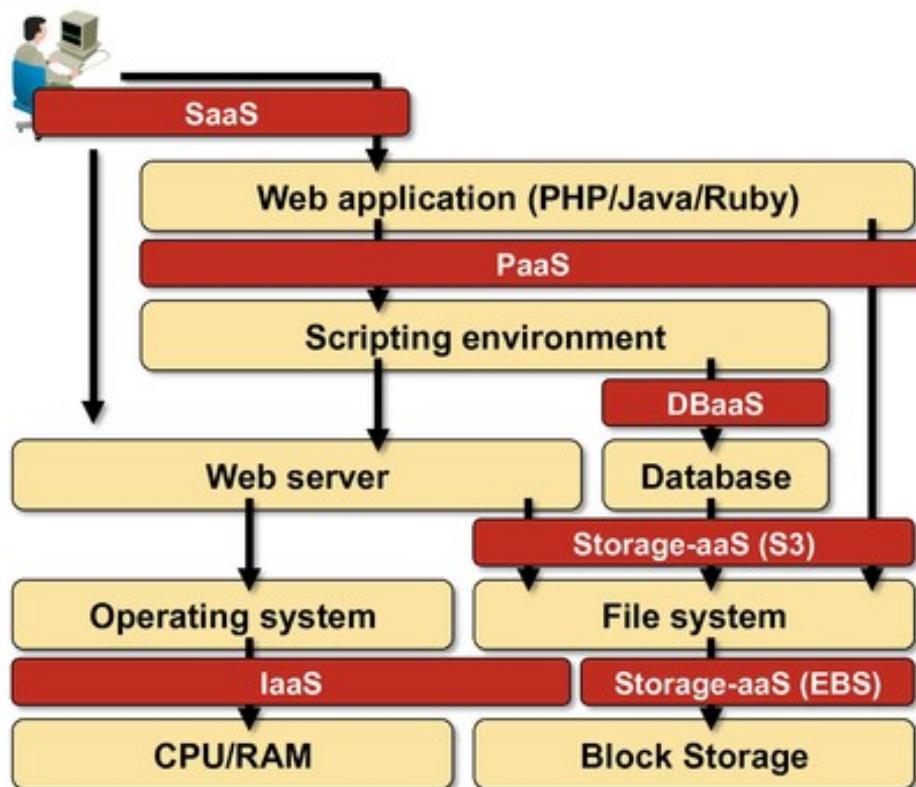
# DOM/CSS Hierarchy



# Immediate Results



## Cloud Services Taxonomy 101



Interesting: **IaaS**  
Others run over TCP

### Key ingredients

- Scalability
- Orchestration
- On-demand

# Challenges

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

# 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; }
```

# Removing Slide Number

## Cloud Services Taxonomy 101

```
graph TD; SAAS[SaaS] --> WebApp[Web application (PHP/Java/Ruby)]; WebApp --> PAAS[PaaS]; PAAS --> Scripting[Scripting environment]; Scripting --> WebServer[Web server]; WebServer --> OS[Operating system]; OS --> IaaS[IaaS]; IaaS --> CPU[CPU/RAM]; PAAS --> DBaaS[DBaaS]; DBaaS --> Database[Database]; Database --> StorageS3[Storage-aaS (S3)]; StorageS3 --> FS[File system]; FS --> StorageEBS[Storage-aaS (EBS)]; StorageEBS --> BS[Block Storage]
```

The diagram illustrates the hierarchy of cloud services. It starts with SaaS at the top, followed by a stack of PaaS components: Web application (PHP/Java/Ruby), PaaS, Scripting environment, DBaaS, Database, Storage-aaS (S3), File system, and Block Storage. Below this stack are IaaS components: Operating system, IaaS, and CPU/RAM.

Annotations on the right side of the diagram:

- Interesting: IaaS
- Others run over TCP
- Key ingredients**
  - Scalability
  - Orchestration
  - On-demand

Navigation and footer text:

« First   « Prev   Next »   Last »»

The presentation describes the scalability aspects of various virtual

# Clearing the Box

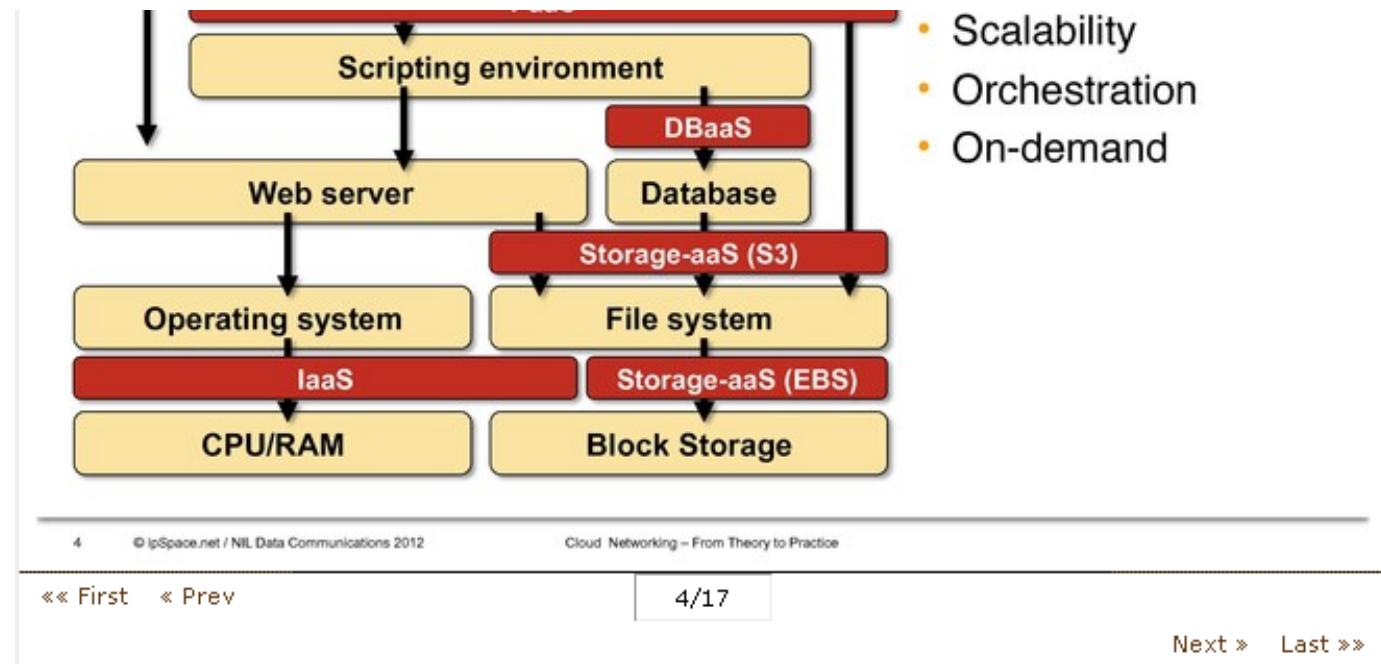
```
.slide { border: 2px outset; }
.slide img { padding: 4px; display: block; margin: 0 auto; }
.slide #slider {
    border-top: 1px solid;
    font-size: 90%;
    text-align: center }
.slide #slider .back { float: left; padding-left: 1em; }
.slide #slider .forward { float: right; padding-right: 1em;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

# Target#2

[«« First](#)[« Prev](#)[3/23](#)[Next »](#)[Last »»](#)

# 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; }
```

# Questions?

