

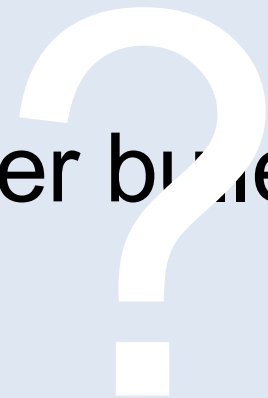
Drupal za Flex developere

Outline

- Uvod
- Što je Drupal
- Arhitektura
- Services/AMFPHP i Drupal

Uvod

- Drupal community u kratkim crtama
- Šalabahter :)
 - PHP / MySQL
 - Drupal/Joomla/Typo3/Xoops...
 - Što trenutno radite
 - Imate li već Vaš server side silver budget?
:)



Što je Drupal

- OSS, GPLv2
- framework (api.drupal.org)
- moduli bazirani na hookovima
- node – content type kao skup atributa
 - content types: page, poll, forum, review
 - sve je spremljeno kao node
 - generički container za tekstualni sadržaj*

node

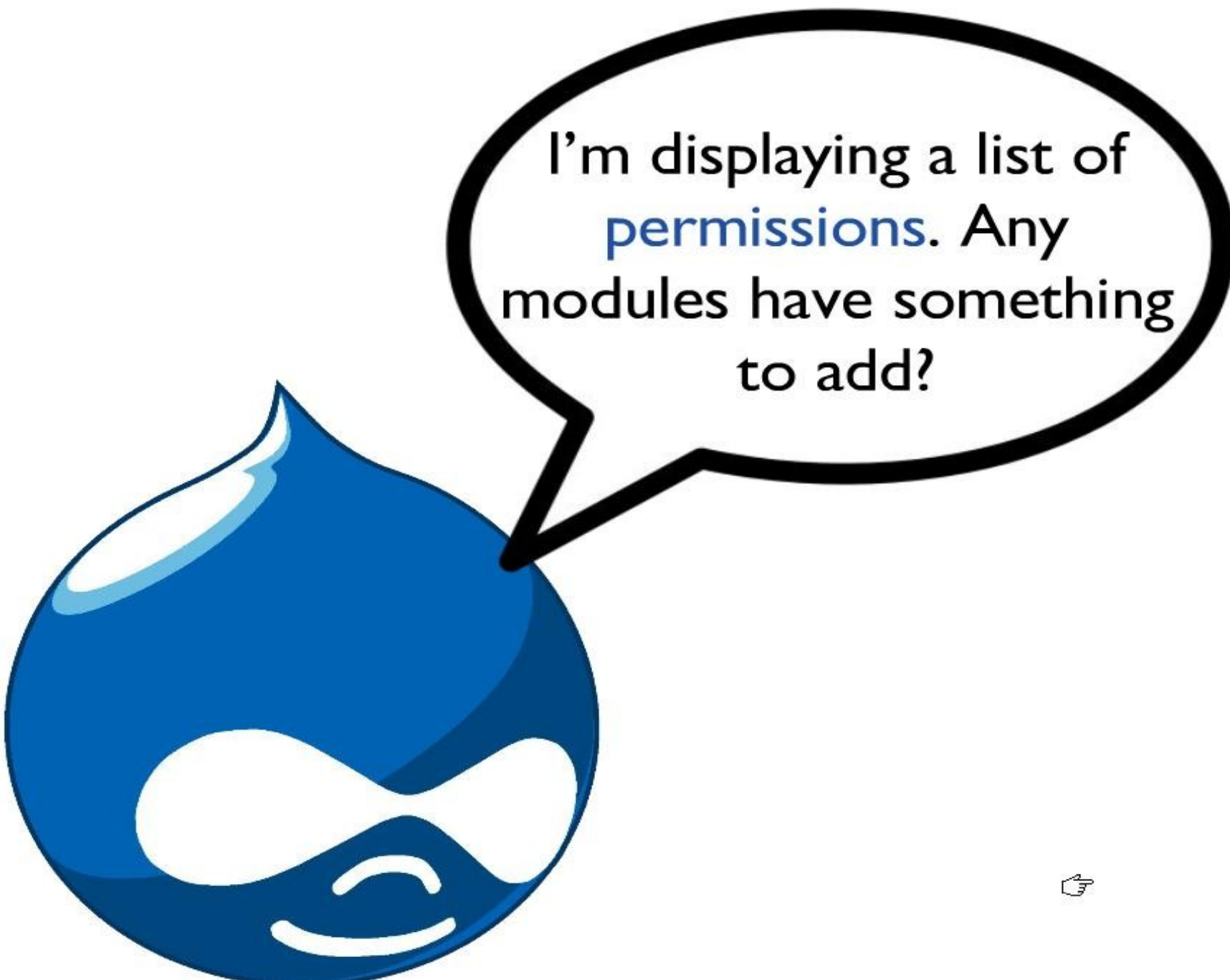
```
mysql> describe node;
```

Field	Type	Null	Key	Default	Extra
nid	int(10) unsigned	NO	PRI	NULL	auto_increment
vid	int(10) unsigned	NO	PRI	0	
type	varchar(32)	NO	MUL		
title	varchar(128)	NO	MUL		
uid	int(11)	NO	MUL	0	
status	int(11)	NO	MUL	1	
created	int(11)	NO	MUL	0	
changed	int(11)	NO	MUL	0	
comment	int(11)	NO		0	
promote	int(11)	NO	MUL	0	
moderate	int(11)	NO	MUL	0	
sticky	int(11)	NO		0	

```
12 rows in set (0.00 sec)
```

Što su hookovi

- hook je PHP funkcija naziva `foo_bar()`
 - `foo` je ime modula (`foo.module`)
 - `bar` je naziv hooka
- Drupal moduli implementiraju hook-ove
- Svaki hook ima definirani set parametara koje prima i vraća (<http://api.drupal.org>)
- izvršavaju se u svakom koraku od bootstrapa aplikacije do funkcija koje ispisuju sadržaj (tema)

A blue cartoon character with a white mask and a speech bubble. The character is on the left, and the speech bubble is on the right. The text inside the speech bubble is: "I'm displaying a list of permissions. Any modules have something to add?".

I'm displaying a list of **permissions**. Any modules have something to add?



Hookovi

```
$permissions = module_invoke_all('perm');
```

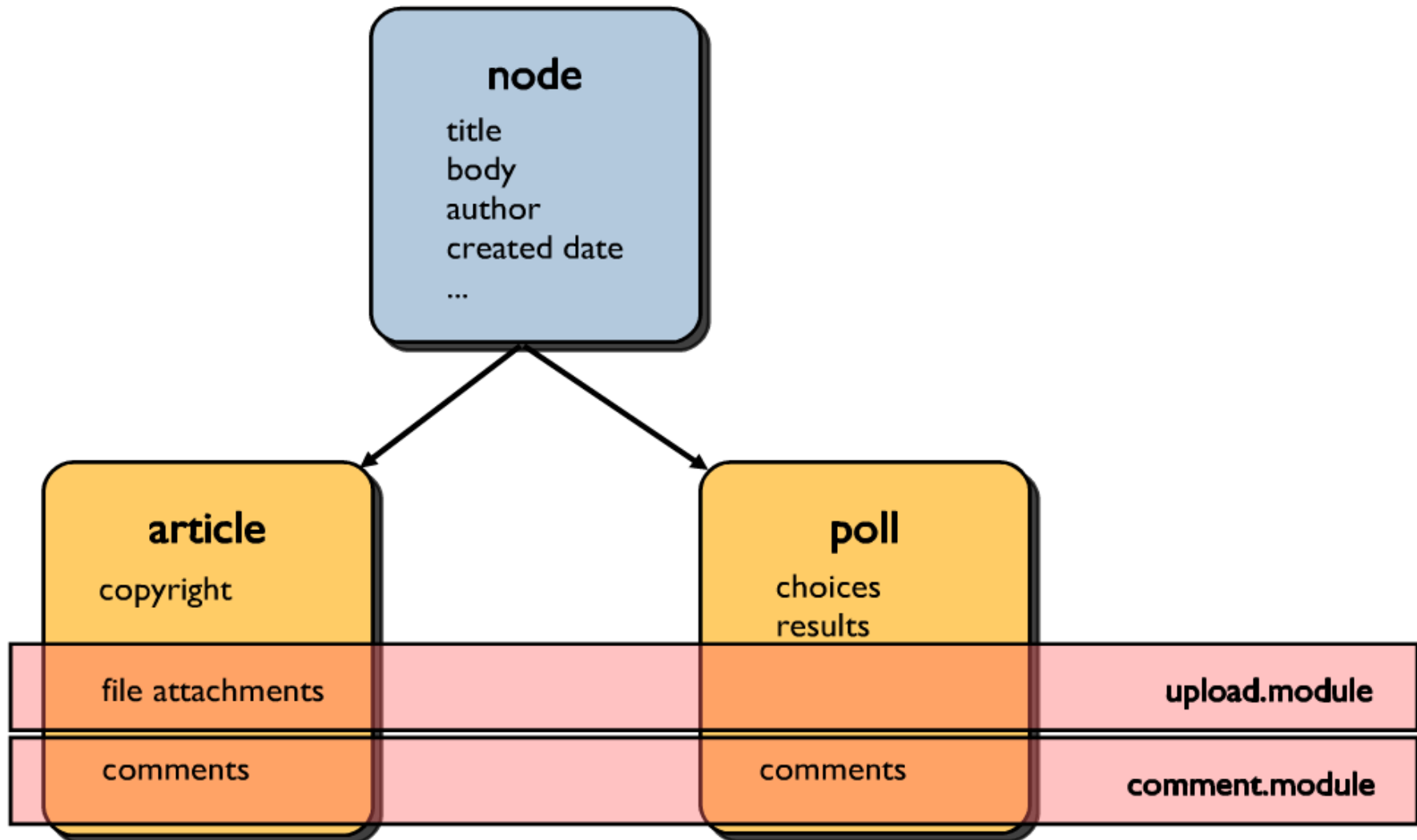


```
function blog_perm() {  
  return array('edit own blog');  
}
```

```
function contact_perm() {  
  return array('access contact form');  
}
```

```
$permissions = array('edit own blog', 'access contact form', ...);
```

Moduli i node



Killer moduli

- CCK – dodatna polja na nodovima
- Views – query builder; lista nodeova

Ostali feature-i

- Teme, PHP template engine
- Blokovi – boxevi grupiranih podataka; npr. Novi postovi na forumu
- Taxonomy – taggiranje node-ova
- Role based ACL-ovi
- Feed aggregator
- OpenID
- Triggeri i odgovarajuće akcije
- Update manager

Services modul

- Standardizirana solucija za integraciju vanjskih aplikacija sa Drupalom
- XMLRPC, SOAP, REST, AMF...
- Uključeni service moduli omogućuju interakciju sa postojećim drupal modulima kao što su
 - node, system, taxonomy, user i views
- Service API – moduli mogu napraviti nove servise

The End – Hvala na pažnji ;))

- Reference:
 - drupal.org
- Services modul
 - <http://www.drupal.org/project/services>
- Views
 - <http://www.drupal.org/project/views>
- CCK
 - <http://www.drupal.org/project/cck>