

Zoos Victoria Drupal for the whole herd

Case Study - 7/2/2013

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Who are Monkii?

- Pure digital agency
- Based in Melbourne CBD
- Design, development, eCommerce, mobile, strategy
- Team of 20 full time staff
- Work primarily with institutions and organisations
- A lot of Drupal sites!



We have built Drupal sites for:

- The ABC
- Australian Centre for the Moving Image (ACMI)
- The Australian Greens
- Zoos Victoria
- Breast Cancer Network Australia





Background



The organisation

Zoos Victoria is a not-for-profit, zoo focused on conservation and fighting extinction.

Zoos Victoria has 3 public zoos:

- Melbourne Zoo
- Healesville Sanctuary
- Werribee Open Range Zoo



The website

The website has been hugely important

- as a communications tool
- driving ticket sales
- driving donations
- promoting the conservation message



However

The old site had issues

- 5 years on an enterprise .Net CMS ADX
- Limited vendors for support and upgrades
- Constant crashes & downtime
- Slow speeds
- Lack of structure (too much freedom)
- A lot of manual processes



→ Contact Us

SEARCH

ZOOS VICTORIA

WERRIBEE OPEN RANGE ZOO

MELBOURNE ZOO

E-Newsletter

Facebook

Widget

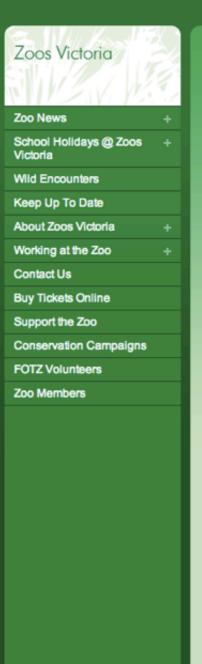
HEALESVILLE SANCTUARY

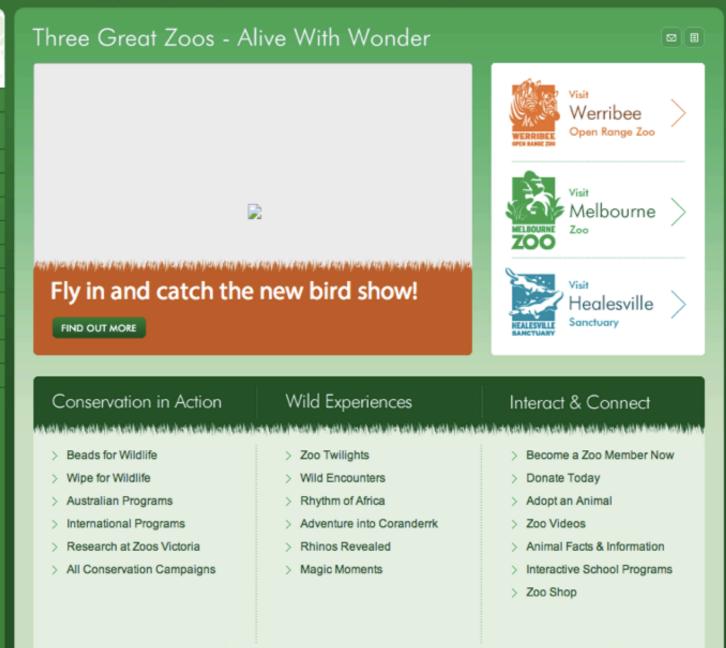
SUPPORT YOUR ZOO

CONSERVATION & RESEARCH

LEARNING EXPERIENCES

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Key issues for the project

- High traffic site (up to 20k visitors 50k pvs per day)
- True 24/7 uptime including media events
- Zoos open 365 days a year!
- Complex content
- Integration with other systems
- Limited budget
- Limited time, and a fixed launch date
- 150th anniversary (no pressure!)





Unlimited entry ✓
Kids register for FREE ✓

Help fight extinction ✓



Search

e.g. barking owl

Q

Get involved Visit our zoos **Animals** What's on Education Fighting extinction News Journey through a Experience an Explore a bushland African adventure world of wildlife in haven for Australian close to home wildlife the heart of Melbourne HEALESVILLE SANCTUARY WERRIBEE OPEN RANGE ZOO **ZOO** Visit Healesville Visit Werribee Visit Melbourne





Become a member

Enjoy unlimited entry to our three great zoos. Plus kids join for free!

Act for wildlife



Education



Zoos Victoria is FIGHTING EXTINCTION



We are a not-for-profit conservation organisation dedicated to fighting wildlife extinction. We do this through breeding and recovery programs for threatened species and by working with visitors and supporters to reduce threats facing endangered

So... Why Drupal?



From the Clients perspective

They did a lot of research and discovered:

- Affinity with open source philosophy
- High uptake by similar organisations (inc. Taronga Zoo)
- Large number of vendors
- High number of plugins
- Advanced features, such as workflows
- Cost effective & quick



From our perspective:

- Wide variety of content
 - animal profiles
 - events
 - campaigns
- Well defined relationships between content types
- Great opportunities for dynamic content placement



From our perspective:

Complex user roles

- large organisation with several types of roles
- content publishing has an approval workflow

Content portability

- long term multi-platform strategy
- content divorced from formatting and display



From our perspective:

Modularity and phased approach

- phased development approach helped meet timelines
- adding new functionality via modules is very easy





In a nutshell:

- New site structure and organisation
- New designs
- Drupal 7 build
- Training
- Load test and deploy
- 7 Months to plan, design and code



The Zoo has great content - let's use it better

- clunky content editing workflow should be streamlined
- less training required to create new content
- cull and condense hierarchy of content
- provide clear and simple navigation and calls to action



Phased approach





Content portability

- content type composed of specific fields
- great when we want to display an Animal profile in a mobile app
- one interface for content creators across an entire ecosystem







Development Workflow

JIRA is used to track tasks and bugs XIRA



- Version control using Springloops springloops
- Developers work on Virtualbox LAMP servers
- Each commit is deployed to staging for QA
- Deploy to live in batches of completed features



Infrastructure

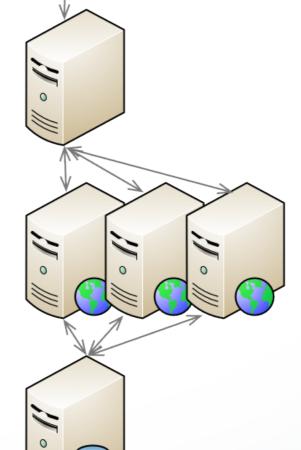
Interwebz

Firewall

Load Balancer

Web

DB Server



(Nginx, Apache)



The Modules



Key Contrib Modules

Calendar Media

CKEditor Metatags

Content Lock Quick

Ctools Nodequeue

Date Redirect

Entity Revisioning

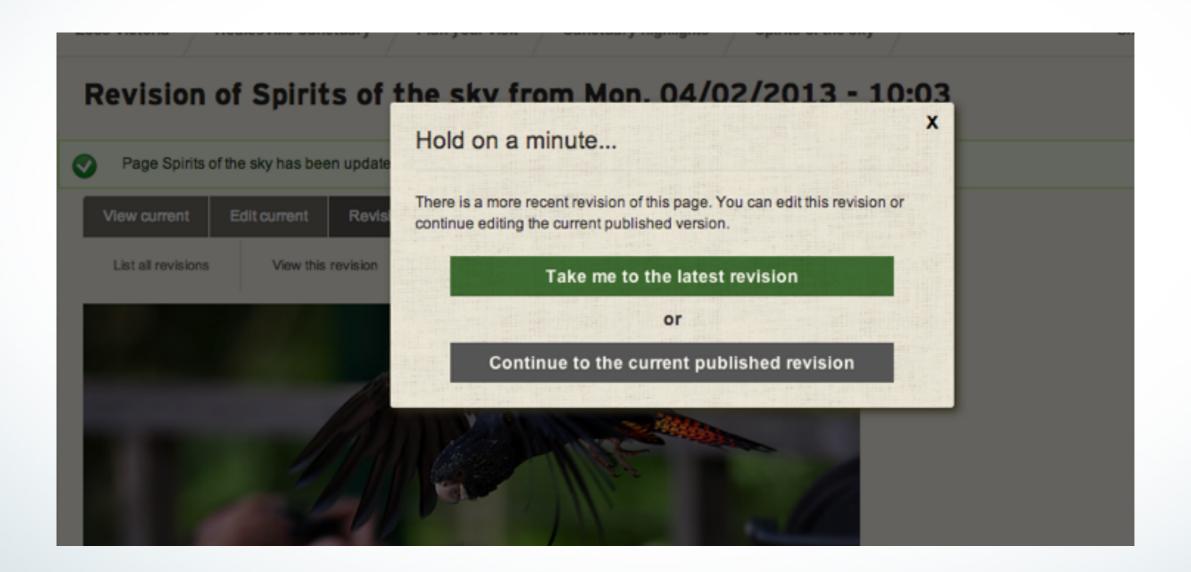
Entity Reference Views

Libraries Webform

Link Checker XML Sitemap

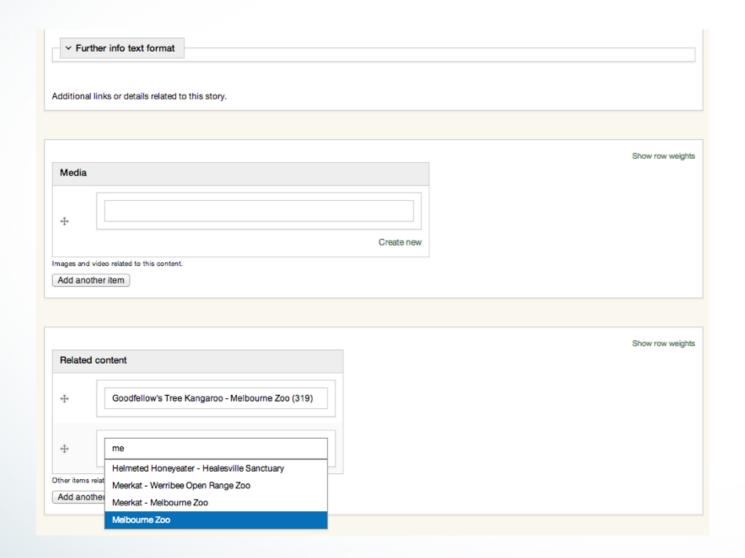


Revisioning



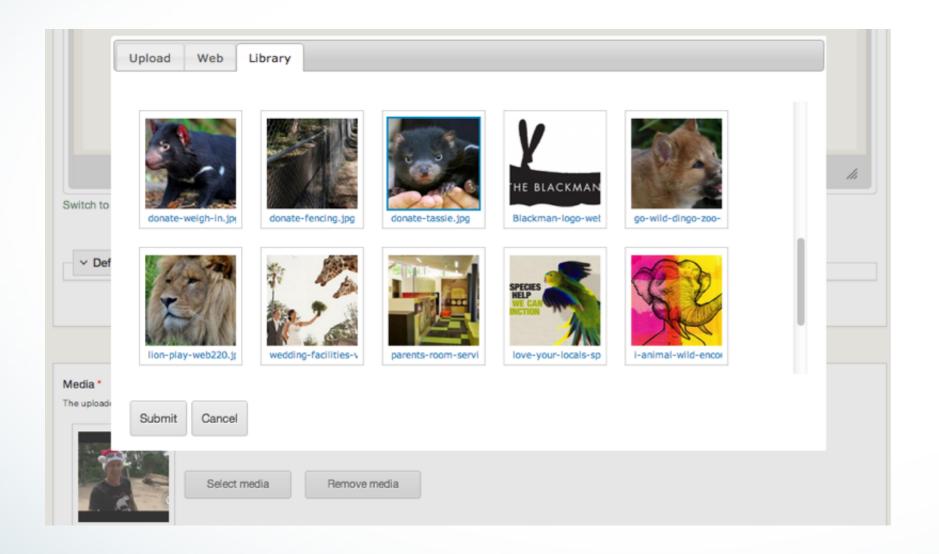


Entityreference





Media





Date

Date						Show row wei
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+‡+	☐ Show End Date	Date	Time			
) and time(s) of the Event. Add other item	i multiple dates for multiple	e occurences.			
Cate	egory					
	ype of event					
Loca	ation					
	e Rainforest Room					



Custom Modules

Around 20 in total

- Custom content types
 - Animals
 - Properties
 - Events
 - 10 content types in total
- Edit-in-overlay
- Customisations to contribetion
 functionality



Theme

Custom theme









Designs



Design and IA fundamentals

- Modern, clean and playful
- Conservation focused: connect, understand and act
- 4 distinct brands each with their own personality





Unlimited entry ✓ Kids register for FREE ✓

Help fight extinction ✓

Become a MEMBER

Search

e.g. barking owl

Q

Visit our zoos **Animals** What's on News Education Fighting extinction Get involved Experience an Journey through a Explore a bushland world of wildlife in African adventure haven for Australian close to home the heart of wildlife Melbourne HEALESVILLE SANCTUARY WERRIBEE OPEN RANGE ZOO Visit Werribee Visit Melbourne Visit Healesville





Become a member

Enjoy unlimited entry to our three great zoos. Plus kids join for free!

Act for wildlife



Beads for Wildlife

You can give the gift that helps people and wildlife in Northern Kenya.

Education



Planning your school visit

There are a range of exciting school programs themed to suit the unique environment of our three zoos.

Zoos Victoria is FIGHTING EXTINCTION



We are a not-for-profit conservation organisation dedicated to fighting wildlife extinction. We do this through breeding and recovery programs for threatened species and by working with visitors and supporters to reduce threats facing endangered wildlife.



Jaw oan I fight autination and halp wildlife?



Experience an African adventure close to home

Unlimited entry

Kids register for FREE

Help fight extinction 🗸



Home

Plan your visit

Animals

News

What's on

Wild encounters



Rhythm of Africa summer concert series this February

Feel the African beat this summer at Rhythm of Africa

Our animals



Zebra

At Werribee Open Range Zoo you can see zebras, sociable and playful animals, at close quarters and in an open range setting.

Zoo highlights



Gorillas calling

We are home to one of the largest gorilla exhibits in the world. At 6,000 square metres, the spectacular exhibit allows silverback Motaba and his two sons the space to behave as they would in the wild.

Wild encounters



Lion Encounter

Go behind the scenes at Werribee Open Range Zoo's world-class Lions on the Edge exhibit and watch as keepers feed the lions in the all new Lion Encounter. Discover the rich history shared by lions and people as keepers share the secrets of managing the lions' wellbeing in the Zoo and in the wilds of Africa.

Open 9am - 5pm every day of the year





How to get here



Tickets



Zoo highlights



Where to eat



Zoo map



Accessibility

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GET INVOLVED



- Adopt an animal
- ▶ Donate

Zoo news

What's on at Werribee Open Range Zoo

2)



Journey through a world of wildlife in the heart of Melbourne

Unlimited entry 🗸 Kids register for FREE Help fight extinction 🗸

Become a MEMBER 1

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Our animals



Sumatran Orang-utan

These 'people of the forest' meet us at their level in an enclosure that makes for a satisfying encounter on both sides of the glass.

Zoo highlights



Wild Sea

See your favourite artists live at Zoo Twilights & help save native wildlife.

Wild Sea, Melbourne Zoo's biggest ever exhibit, showcases the natural beauty and animal inhabitants of Victoria's coast and ocean, including penguins and seals. Find out what's going on beneath the water of Victoria's beaches and along our coastlines, and how you can help conserve these precious natural habitats.

Wild encounters



Tiger Behind the Scenes

Meet one of Melbourne Zoo's five critically endangered Sumatran Tigers and the passionate keeper who cares for them. Find out about the threats facing these animals and the things that you can do to help save them.

Open 9am - 5pm every day of the year

Plan YOUR VISIT



How to get here



Tickets



Zoo highlights



Where to eat



Zoo map



5 Accessibility

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Zoo news





Explore a bushland haven for Australian wildlife

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Wild encounters



Our animals



Tasmanian Devil

Tasmanian Devils are the largest carnivorous marsupials in the world today. Devils once occurred on mainland Australia, but have been confined to Tasmania since pre-European times.

Sanctuary highlights



Spirits of the sky

Discover Australia's majestic birds of prey and magnificent parrots in this this spectacular daily show, free with general admission. Who rules the sky? Parrots, by their sheer numbers - or birds of prey, as skilled predatory hunters? Watch and make up your own mind.

Wild encounters



Magic Moments

This small-group experience allows you exclusive up-close access to meet our amazing Australian animals. Only \$10 per person. For a limited time only, our incredibly cute baby wombats, Lilly and Lullaby, invite you into their wombat gully home for a truly special Magic Moment. You will have the chance to see them up close, take a memorable photo and give them a pat.

Open 9am - 5pm every day of the year

Plan YOUR VISIT



How to get here



Tickets



Sanctuary highlights



Where to eat



Zoo map



Accessibility

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GET INVOLVED



2

- Adopt an animal
- ▶ Donate

Zoo news



Fighting Extinction





Unlimited entry √ Kids register for FREE ✓ Help fight extinction ✓ Become a MEMBER

Search

e.g. barking owl

Q

Fighting extinction Get involved Visit our zoos **Animals** What's on News Education

Zoos Victoria







Get involved





Saving wildlife doesn't have to be hard. Simple actions can make a real difference.

Act for Wildlife



Volunteer

Use your skills and experience to help us fight extinction.



Act for wildlife

Unlimited entry to our three great zoos and that's just the start!

Saving wildlife doesn't have to be hard. Simple actions can make a real difference.



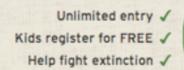
Adopt an animal

Adopt your favourite animals and help fight extinction.









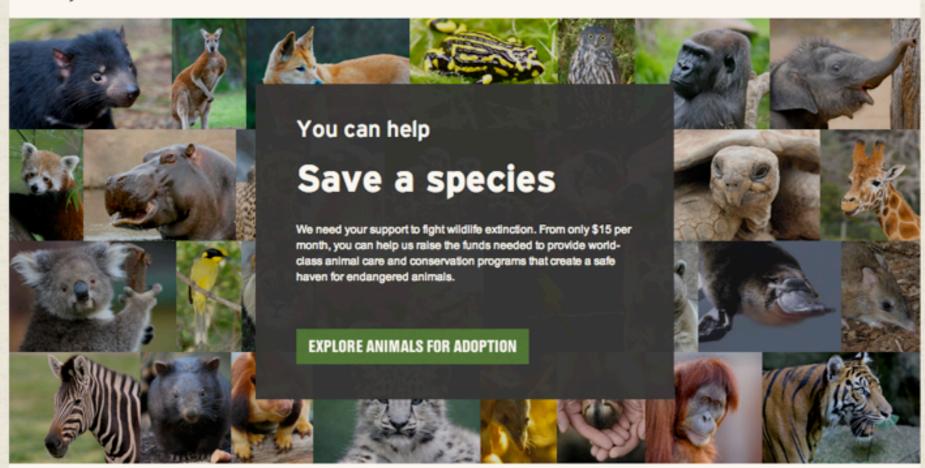
Become a MEMBER

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e.g. barking owl Q

What's on Fighting extinction Visit our zoos **Animals** News Education Get involved Zoos Victoria Get involved

Adopt an animal



Why adopt an animal?

More than 20% of Australia's wildlife is threatened with extinction. Habitat loss, introduced species, disease and the impacts of climate change are increasing pressure on our unique native wildlife.

Zoos Victoria cares for more than 350 species of animals and 1500 botanical specimens. Many of these species are listed as endangered, some critically. Zoos Victoria is a not-for-profit conservation organisation. You can help by adopting an animal.

If your adoption is for a gift, you'll receive an animal adoption pack to send to your gift recipient. No postage or packing required! If your gift is urgent please call (03) 9340 2770. A gift adoption gives twice - to our wonderful animals who are under threat and to your loved one.

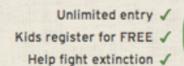
The animal adoption pack includes:



A welcome pack featuring an image and factsheet of your chosen ambassador animal

Adopt How to adopt NOW Adopt online now By phone: 03 9340 2770 By mail, email or fax: Adoption form (957 KB)







Search

e.g. barking owl

Q

Visit our zoos		Animals	What's on	News	Education	Fighting extinction	Get involved				
Zoos Victoria	Get involved						Share:	f	Ŀ	\bowtie	

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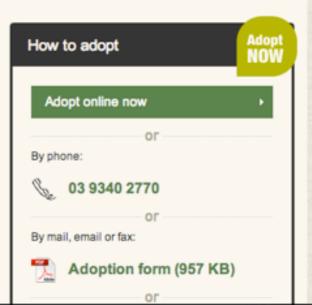
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The Animals





Journey through a world of wildlife in the heart of Melbourne

Unlimited entry 🗸 Kids register for FREE 🗸 Help fight extinction 🗸



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All



Invertebrates





Amphibians







Birds

Mammals

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> Show animals from all three of























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Australian Fur Seal



Visiting the Australian Fur Seals at Melbourne Zoo is an exciting opportunity to engage with these endearing animals.

Now protected, this species was hunted almost to extinction in earlier centuries. They are still at risk from humans, who sometimes (illegally) shoot them for bait, in the belief that they interfere with fishing operations, or to attract sharks for tourist viewing. They are also at risk from oils spills and entanglement in nets and other plastics dumped in waterways. Despite some remaining threats, numbers are thought to be increasing. They are classed as 'least concern' by the International Union for Conservation of Nature and Natural Resources (on the IUCN 'red list').

Your visit helps to fight species extinction. Visiting the seals at Melbourne Zoo is an opportunity not only to see these delightful animals, but also to learn about the threats to Australian species, and how Zoos Victoria is contributing to the fight to conserve these species. You can also help by supporting Seal the Loop, which distributes specially designed bins around Victorian coastal areas to collect fishing waste and reduce rates of marine wildlife entanglement.





Wins



Project Wins

- A very happy client
- Launched on time
- A stable and quick site
- Able to handle high traffic events
- Drupal now seen as being central to all digital communications (apps, screens at the Zoo)



Learnings



Learnings

- 'Phasing' works!
- Concentrate on what is important
- Load testing = peace of mind
- Content is king



Thank you:) Any questions?



If you have a chance please remember to evaluate this session.

Enjoy the rest of DrupalCon Sydney!

