

Post Mortem from PAC: Scripts

Post Mortem:
Scripts

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Special
Characters

Post Mortem from PAC: What did we learn for the scripts?

Volker RW Schaa

GSI Darmstadt, Germany

JACoW Team Meeting, 09 October 07

Weeks before PAC

wget the XML

```
C:\PAC07>wget http://appora.fnal.gov/pls/pac07/spms.xml
--14:00:14-- http://appora.fnal.gov/pls/pac07/spms.xml
=> 'spms.xml'
Resolving appora.fnal.gov... done.
Connecting to appora.fnal.gov[131.225.107.56]:80... connected.
HTTP request sent, awaiting response... 502 Proxy Error
14:05:14 ERROR 502: Proxy Error.
```

Timeout while getting the data from SPMS. In one minute SPMS couldn't retrieve and deliver 513,798 data rows (≈ 20 MB) of XML
Matt found out it took 11 minutes.

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```

Timeout while getting the data from SPMS. In one minute SPMS couldn't retrieve and deliver 513,798 data rows (≈ 20 MB) of XML. Matt found out it took 11 minutes.

Remedy: Breaking up the XML

```
C:\PAC07>wget http://appora.fnal.gov/pls/pac07/spms_summary.xml
--16:22:26-- http://appora.fnal.gov/pls/pac07/spms_summary.xml
=> 'spms_summary.xml'
Resolving appora.fnal.gov... done.
Connecting to appora.fnal.gov[131.225.107.56]:80... connected.
HTTP request sent, awaiting response... 200 OK
[ <=> ] 9,005 62.37K/s
16:22:27 (62.37 KB/s) - 'spms_summary.xml' saved [9005]
```

Now within one second we get a session summary.

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wget the XML

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<conference name="PAC07, Albuquerque, New Mexico, USA">
  <session>
    <name abbr="MOXKI">Plenary Opening</name>
  </session>
  <session>
    <name abbr="MOYKI">Plenary Opening</name>
  </session>
  <session>
    <name abbr="MOZAKI">LEAC: Lepton Accelerators and Colliders</name>
  </session>
  <...>
</conference>
```

In total we get 300 lines for PAC where each session like
`<name abbr="MOXKI">Plenary Opening</name>`
is read in chunks which are small enough (0.5...1.5 MB).

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```

In total we get 300 lines for PAC where each session like
`<name abbr="MOXKI">Plenary Opening</name>`
is read in chunks which are small enough (0.5... 1.5 MB).

Result: `spmsread.pl`

A new script will do the download and generate `spms.xml`

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How was it realized

```
Volker: 10.05.2007 00:09  
Hi Matt,
```

```
the easiest way would be to split a conference in  
  <paper>s as long as there are no sessions  
  <session>s when they have been established  
like the following:  
<...>
```

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How was it realized

Volker: 10.05.2007 00:09
Hi Matt,

the easiest way would be to split a conference in
<paper>s as long as there are no sessions
<session>s when they have been established
like the following:
<...>

Matt: 10.05.2007 12:00
Works for me.

Weeks before PAC

How was it realized

Volker: 10.05.2007 00:09
Hi Matt,

the easiest way would be to split a conference in
 <paper>s as long as there are no sessions
 <session>s when they have been established
like the following:
<...>

Matt: 10.05.2007 12:00
Works for me.

Matt: 13.05.2007 00:12
Hi Volker,

The new procedures are ready for testing.
full xml file /spms.xml
short xml file /spms_summary.xml
specific session /xml2.session?sid=SESSION-NAME
specific abstract /xml2.paper?aid=ABSTRACT-ID

If I understood your request this should be all you need.
Let me know how the testing goes.

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How was it realized

Volker: 10.05.2007 00:09
Hi Matt,

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 <paper>s as long as there are no sessions
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like the following:
<...>

Matt: 10.05.2007 12:00
Works for me.

Matt: 13.05.2007 00:12
Hi Volker,

The new procedures are ready for testing.
full xml file /spms.xml
short xml file /spms_summary.xml
specific session /xml2.session?sid=SESSION-NAME
specific abstract /xml2.paper?aid=ABSTRACT-ID

If I understood your request this should be all you need.
Let me know how the testing goes.

Volker: 14.05.2007 16:39
> http://appora.fnal.gov/pls/pac07_debug/spms_summary.xml
now runs with the expected result.

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Special
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Footer lines (contents & positioning)

- Where can footer information appear?

Footer problems

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Special
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Footer lines (contents & positioning)

- Where can footer information appear?

different on Even and Odd pages
in the Left, Center and Right part

Footer problems

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Special
Characters

Footer lines (contents & positioning)

- Where can footer information appear?
different on **E**ven and **O**dd pages
in the **L**eft, **C**enter and **R**ight part
- So we have **LE, LO, CE, CO, RE and RO** places to fill

Footer problems

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Footer lines (contents & positioning)

- Where can footer information appear?
different on **E**ven and **O**dd pages
in the **L**eft, **C**enter and **R**ight part
- So we have LE, LO, CE, CO, RE and RO places to fill
- **in top or bottom line**

Footer problems

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- So we have LE, LO, CE, CO, RE and RO places to fill
- in top or bottom line
- **Which information goes where?**

Footer problems

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* The present study has been performed under the program of KEK to support universities in accelerator developments, and Local Area Consortium Research and Development Project of Ministry of Economy, Trade and Industry.

08 Applications of Accelerators, Technology Transfer and Relations with Industry

U02 Materials Analysis and Modification

voltage and heater power is supplied to both the gun and magnetron from the power supply. 20kV electron beam

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**Footer
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Special
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How to solve this for all conferences?

- **Configurable footers:**

Footer problems

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Special
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How to solve this for all conferences?

- Configurable footers:

```
[REB]=@normalsize@page_nr
```

```
[LOB]=@normalsize@page_nr
```

```
[LOB]=@normalsize<1-4244-0917-9/07/$25.00 ©2007 IEEE>
```

```
[REB]=@normalsize<1-4244-0917-9/07/$25.00 ©2007 IEEE>
```

```
[LOT]=@small@main_classification
```

```
[ROT]=@small@sub_classification
```

```
[CO*]=@empty
```

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```
[LOT]=@small@main_classification
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```

```
[CO*]=@empty
```

- [REB] for Right Even Bottom line,
[CO*] for Center Odd both lines

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[LOT]=@small@main_classification

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- [REB] for Right Even Bottom line,
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- @ for 'known' keywords, <xyz> for text

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Special Characters in Names

How to deal with special characters in names on web site

- Björn Gålander appears as Bjorn Galander

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- **Rok Uršič as Rok Ursic**

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- **No Unicode and no search entry for SPMS**

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- **How to input Unicode?**

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- How to input Unicode?
- **We have Unicode and UTF-8 on the web pages**

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- **TTN ⇒ Translation Table for Names in the script**

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- How to input Unicode?
- We have Unicode and UTF-8 on the web pages
- TTN \Rightarrow Translation Table for Names in the script
- **partly realized...**

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