Revisiting the IBIS Version Release Schedule

Michael Mirmak
Chair, IBIS Open Forum

European IBIS Summit
Ghent, Belgium
May 14, 2014

Presented by Randy Wolff, Micron Technology
REVIEW
PREVIOUS PROPOSAL FOR IBIS DEVELOPMENT – FEB. 2012
Release Schedule for IBIS

- Moving to a regular, software-like release plan
  - Allows better planning by “customers” (IBIS community)
  - Keeps number of changes manageable
  - Reduces & stabilizes parser development cycle time and cost

- Two “cycles”, each with two parts
  - Cycle 1
    - Nov. – Feb.: technical development
    - March 1 – close technical changes
    - May 1 – close final document (editorial fixes in-between)
  - Cycle 2
    - May – Aug.: technical development
    - Sept. 1 – close technical changes
    - Nov. 1 – close final document (editorial fixes in-between)
How Does This Work?

Parser development can start as early as this point

From Feb. 2012

Cycle 1

JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC
---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----

<table>
<thead>
<tr>
<th>Editorial Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIRD Development</td>
</tr>
</tbody>
</table>

Cycle 2

<table>
<thead>
<tr>
<th>Editorial Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIRD Development</td>
</tr>
</tbody>
</table>

Document votes & releases here

2014 European IBIS Summit
Release Schedule for IBIS

- Need to move to 9+ month cycle
  - Feedback from 2014 DesignCon IBIS Summit

- New proposal: annual cycle with three parts
  - Technical Period
    - February - July
    - August 1 - close technical changes
  - Editorial Period
    - August - September
    - Nov. 1 - close & vote on final document
  - Quiet Period (Events, Holidays)
    - November - January
How Does This Work?

*Parser development can start as early as this point*

---

**Technical Development**

<table>
<thead>
<tr>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
</tr>
</thead>
</table>

---

**BIRD Development for a Given Version**

---

**Editing**

<table>
<thead>
<tr>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
</tr>
</thead>
</table>

---

**Editorial Work**

---

**Document vote & release here**

---

Events & Holidays
Why This Schedule?

- Calendar can limit potential interactions
  - End-of-year holidays/shutdowns
  - Fall Asian IBIS Summits and preparation
  - New Year celebrations in Asia
  - DesignCon Summit and preparation
  - July/August vacation schedule in Europe

- Member companies are likely affected by the same calendar items
  - Peak work periods are Sept. - Oct. and March - May
IBIS Numbering Proposal

- Specification moves to date codes
  - Year and month of approval (e.g., 2014.11)
  - Multiple releases in the same month unlikely
  - Major/minor release distinction goes away
  - [IBIS Ver] and AMI_Version affected

- Parser versions track specifications
  - Parser uses specification release number, for features
  - Parser updates use additional numbers
    - e.g., 2014.11 r01 or similar
  - Name changes to simply “ibischk”
Implications

- If implemented immediately...
  - Next version is not 6.x or 7, but 2014.11
  - BIRDs for 2014.11 must be approved on/before Aug. 1, 2014

- Membership dues in 2015
  - Parser development fees become part of membership dues

Is this schedule realistic for the IBIS community? Can tools and design cycles absorb annual updates?
Q/A