AUTOMATIC FOR THE NUMBERS:
UNDERSTANDING AND USING FLARE’S AUTONUMBERING CAPABILITIES

Presented by:
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THE 5-STAGE JOURNEY

Stage 1
Realization
Hey cool! I can autonumber in Flare!

Stage 2
Confusion
Hmmm...this might take some time to figure out

Stage 3
Anger
THESE BLASTED AUTONUMBERS!!! WHY AREN'T THEY WORKING?!?

Stage 4
Acceptance
Oh GOOD! There is a webinar on Autonumbers. Hey, look, I can BREATHE again!!!

Stage 5
Exuberance
IT WORKS!!! IT WORKS!!! IT WORKS!!!

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WHY

SHOULD I USE THEM THEN?

Gives your output a professional edge

Increases consistency

Set it and forget it -- allows you to focus on content

Meets documentation requirements in some cases
The bridge is one of the most internationally recognized symbols of San Francisco, California, and the United States. It has been declared one of the Wonders of the Modern World by the American Society of Civil Engineers.

Before the bridge was built, the only practical short route between San Francisco and what is now Marin County was by boat across a section of San Francisco Bay. Construction began early in 1933 and the bridge was opened to traffic in 1937.
### Table captions

#### Table A: San Francisco Sister Cities in Europe

<table>
<thead>
<tr>
<th>City</th>
<th>Country</th>
<th>Since</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assisi</td>
<td>Italy</td>
<td>1960</td>
</tr>
<tr>
<td>Barcelona</td>
<td>Spain</td>
<td>2010</td>
</tr>
<tr>
<td>Cork</td>
<td>Ireland</td>
<td>1984</td>
</tr>
<tr>
<td>Naples</td>
<td>Italy</td>
<td>2013</td>
</tr>
<tr>
<td>Paris</td>
<td>France</td>
<td>1996</td>
</tr>
</tbody>
</table>

#### Table B: San Francisco Sister Cities in Asia

<table>
<thead>
<tr>
<th>City</th>
<th>Country</th>
<th>Since</th>
</tr>
</thead>
<tbody>
<tr>
<td>Osaka</td>
<td>Japan</td>
<td>1957</td>
</tr>
<tr>
<td>Seoul</td>
<td>South Korea</td>
<td>1975</td>
</tr>
<tr>
<td>Shanghai</td>
<td>China</td>
<td>1979</td>
</tr>
<tr>
<td>Taipei</td>
<td>Taiwan</td>
<td>1970</td>
</tr>
</tbody>
</table>
EXAMPLE: NUMBERED HEADINGS

h1{
mc-auto-number-format: 'CH:{chapnum}. ';
}

h2{
mc-auto-number-format: 'CH:{chapnum}.{n} ';
}

h3{
mc-auto-number-format: 'CH:{chapnum}.{n}.{n+} ';
}
Chapter 4: Numbered Paragraphs

1. The Awesome SDK provides developers with the ability to integrate their mission critical applications with Application Environment Monitoring (AEM).

2. Application Settings Management (ASM) enables remote management of applications.

   2.1 Compliance - The Compliance module ensures the security compliance status of the application is installed...

   2.2 You're building a custom application experience as part of your solution.

3. ...

P. level1
mc-auto-number-format: 'A:{n+}. '; mc-auto-number-position: outside-head; mc-auto-number-offset: 0.5in; margin-left: 0.5in;
}

P. level2
mc-auto-number-format: 'A:{n}.{n+} '; mc-auto-number-position: outside-head; mc-auto-number-offset: 0.5in; margin-left: 1in;
}

P. level3
mc-auto-number-format: 'A:{n}.{n}.{n+} '; mc-auto-number-position: outside-head; mc-auto-number-offset: 0.5in; margin-left: 1.5in;
}
EXAMPLE:
NUMBERED LISTS

How to make a gingerbread

1. Cut out the paper patterns for the gingerbread house.
2. Preheat oven to 375 degrees F.
3. In a large mixing bowl, cream the butter, brown sugar, and baking soda together until the mixture is smooth.
4. Roll gingerbread dough out to edges on a large, lightly floured surface.
5. Place paper patterns onto the rolled out dough. Wrap each of the pieces, but leave pieces in place.
6. Bake at 375 degrees F for about 15 minutes until done.
7. Place patterns on top of the gingerbread again and edge sharp knife. Leave to cool on baking sheet.
8. Place royal icing into pastry bag with a writing tip and a house, piping on decorations, windows, door, etc.
9. Glue sides, front, and back of house together at corners.
EXAMPLE: GENERATED TEXT

Note: Setting a smaller chunk size on your search database will improve search performance, but also increase build time.

p.Note{
  border-bottom: 1px solid #00A4E4;
  border-top: 1px solid #00A4E4;
  mc-auto-number-format: '{b}Note{/b}: ';
  padding: 10px 0px;
}
Chapter 4: Introduction to

I Introduce the user interface
II Create an empty project
   A Create topics
      i Paragraphs
      ii Lists
      iii Images
      iv Tables
      v Links
   B Create stylesheet
      i Edit existing style
      ii Create new class
      iii Apply class to content
III Build output
IV Celebrate

EXAMPLE:
OUTLINE

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WHERE DO I START?

1. Determine what content you want autonumbered and how you want it numbered (outside of Flare). e.g. Tables, Figures, Paragraphs, Headings, Notes, Lists, etc.

2. Determine what style classes you’ll need to support your autonumbering structure

3. In Flare, create the style classes with the appropriate autonumber style

4. Apply the classes to the content in your topics

5. Create chapter and section breaks as necessary in your TOC
DECIPHERING THE AUTONUMBER SYNTAX

Series Label
Specifications different types of autonumber series (like tables, figures, or lists). Can also indicate whether a series applies to a chapter, section, or entire book.

Formatting
Determines the look of the autonumbered content. For example, font, font weight, font color, etc.

Chapter, Section Volume
Organize your content into chapters, sections, and volumes and apply number sequences to them.

Counters
Indicates what types of numbers should be used and how they should be incremented.

Text
Any plain text to include as part of the autonumber.
UNDERSTANDING SERIES LABELS

Series labels establish independent “lanes” of autonumbers in the same body of content
Problem:
p.TableCaption and p.ImageCaption are NOT separated with series labels—they are in the same “lane”
Solution:
Add series labels to move them into separate lanes. The actual label value is arbitrary.
EXTENDING SERIES LABELS BEYOND TOPICS

Using the C, S, or G series label prefix extends autonumber formats beyond just topics

- **CH**: Specifies a chapter-wide series labeled “H”
- **SH**: Specifies a section-wide series labeled “H”
- **GH**: Specifies a global series labeled “H”

If no series label prefix is used, autonumbering restarts with each topic
Modify Table Captions to be a Global series

\[
p\text{.TableCaption}
\{
mc\text{-auto-number-format}: '\n
T:{b}\text{Table \{A\+\}/b}: '; \n\}
\]

Answer:

\[
p\text{.TableCaption}
\{
mc\text{-auto-number-format}: '\n
GT:{b}\text{Table \{A\+\}/b}: '; \n\}
\]

Modify Image Captions to be a Chapter-wide series

\[
p\text{.ImageCaption}
\{
mc\text{-auto-number-format}: '\n
F:{b}\text{Figure \{chapnum\}-{\n+b}/b}: '; \n\}
\]

Answer:

\[
p\text{.ImageCaption}
\{
mc\text{-auto-number-format}: '\n
CF:{b}\text{Figure \{chapnum\}-{\n+b}/b}: '; \n\}
\]
Counters specify what types of numbers should be used and how they should be incremented.
HOW COUNTERS ARE CONSTRUCTED

Display Style  Increment Command
# HOW COUNTERS ARE CONSTRUCTED

\{n+\}

<table>
<thead>
<tr>
<th>Display Style</th>
<th>Increment Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>(n) Numeric</td>
<td>{} Retains current counter value and displays it</td>
</tr>
<tr>
<td>(R) Uppercase roman</td>
<td>{n} Retains current counter value and displays it</td>
</tr>
<tr>
<td>(r) Lowercase roman</td>
<td>{n} Retains current counter value and displays it</td>
</tr>
<tr>
<td>(A) Uppercase alphabetic</td>
<td>{n} Retains current counter value and displays it</td>
</tr>
<tr>
<td>(a) Lowercase alphabetic</td>
<td>{n} Retains current counter value and displays it</td>
</tr>
<tr>
<td>Don’t display a value</td>
<td>{} Retains the current counter value and does not display it</td>
</tr>
<tr>
<td>() Increment Command</td>
<td>{} Retains the current counter value and displays it</td>
</tr>
<tr>
<td>(=0) Resets the counter value to 0 and does not display. Can use any number</td>
<td></td>
</tr>
<tr>
<td>(n+) Increments the counter value and displays it</td>
<td></td>
</tr>
<tr>
<td>(} ) Retains the current counter value and does not display it</td>
<td></td>
</tr>
</tbody>
</table>
### CHAPTERS, SECTIONS, AND VOLUMES

<table>
<thead>
<tr>
<th>{chapnum}</th>
<th>Displays the current chapter number</th>
</tr>
</thead>
<tbody>
<tr>
<td>{secnum}</td>
<td>Displays the current section number</td>
</tr>
<tr>
<td>{volnum}</td>
<td>Displays the current volume number</td>
</tr>
</tbody>
</table>

Rely chapter breaks or section breaks in the TOC, which you set manually.
**QUIZ: CHAPTERS AND COUNTERS**

<table>
<thead>
<tr>
<th>mc-auto-number-format</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>'Chapter {chapnum}:'</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>'N:Step {A=1}'</td>
<td>Step A</td>
</tr>
<tr>
<td>'N:Step {A+}'</td>
<td>Step B</td>
</tr>
<tr>
<td>'CF: Figure {chapnum}-{r+}:'</td>
<td>Figure 1-i</td>
</tr>
<tr>
<td></td>
<td>Figure 1-ii</td>
</tr>
<tr>
<td>Result</td>
<td>mc-auto-number-format</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Figure 1-i</td>
<td>'CF: Figure {chapnum}-{r+}: '</td>
</tr>
<tr>
<td>Figure 1-ii</td>
<td></td>
</tr>
<tr>
<td>Where “1” is the chapter number</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>'O:{n+}. '</td>
</tr>
<tr>
<td>2.</td>
<td>'O:{n}.{n+} '</td>
</tr>
<tr>
<td>2.1</td>
<td>'O:{n}.{n}.{n+} '</td>
</tr>
<tr>
<td>2.1.1</td>
<td>3 separate paragraph classes in the stylesheet</td>
</tr>
</tbody>
</table>
QUIZ: CHAPTERS AND COUNTERS

<table>
<thead>
<tr>
<th>Result</th>
<th>mc-autonumber-format</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>'{R+}{ =0}'</td>
</tr>
<tr>
<td>II</td>
<td>'{ }{A+}{ =0}'</td>
</tr>
<tr>
<td>A</td>
<td>'{ }{A+}{ =0}'</td>
</tr>
<tr>
<td>B</td>
<td>'{ }{ }{r+}'</td>
</tr>
<tr>
<td>i</td>
<td>'{ }{ }{r+}'</td>
</tr>
<tr>
<td>ii</td>
<td>'{ }{ }{r+}'</td>
</tr>
<tr>
<td>C</td>
<td>'{ }{ }{r+}'</td>
</tr>
<tr>
<td>III</td>
<td>'{ }{ }{r+}'</td>
</tr>
</tbody>
</table>

3 separate paragraph classes in the stylesheet
The remainder of this presentation is live Flare demonstration.
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