

Robin (00:00):

So I'm going to talk to you today about Typefi Orion, which is our drop-in replacement for eXtyles from Inera. And hopefully the demo will also be of interest to anyone who wants to keep editorial control over their content but convert unstructured Word content into structured XML. So I'm showing you here a Word document, which would be starting material. You can see I've got eXtyles installed here as well. So if you're familiar with eXtyles, the two programmes can run alongside each other and Orion should be very familiar to you. My first step here is to attach a publication to the document. I've got a selection here of publications and I choose an article type, attach, and then I complete metadata here and so on. I can add metadata here. I can copy and paste out of a content submission system or something like that. I'm just going to add a couple of fields here and I'll save that.

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And that metadata there will be used in the XML. And one of the first things you do with Orion is clean up unnecessary clutter in the document. So we can see we've got lots of blank paragraphs and things like that. Just want to stop these steps. I'm going to remove the blank paragraphs and I'm going to remove any spaces at the start and end of paragraphs. And unlike eXtyles, if you're familiar with that, Orion supports track changes natively. So you can see my blank paragraphs have been removed as track changes. I can just say, "Yep, fine. I'm just going to go ahead and accept all of those." And the next step is to style a document and this is customizable based on your paragraph styles that you want to use or we have a default set here which I'm using. I go through, I can use the keyboard or the mouse. Authors, but I can hit hot keys to style affiliations and so on.

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So however you work best is how you can style the document. Here's the abstract. I've got some keywords and abbreviations and the rest of the document I've styled already just for sake of speed.

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The next function is called SmartReplace, which again, if you're familiar with eXtyles, it's called Auto-Redact. It's a very high powered and very targeted set of find and replace rules, which you can specify even to particular paragraph styles or even to within character styles if you want to make changes because it's run again, unlike eXtyles, track changes is supported. I can see I've put periods at the end of the affiliations. I've changed UK English spelling to US English spelling and so on. Again, if you're already using eXtyles, we can bring in your Auto-Redact dictionaries directly, convert them into the new format without you having to set anything up again from scratch.

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Next step is called SmartReferences. And what this is doing is it's leveraging the Edifix product, which is now also owned by Typefi and it will parse the reference list. It will check the references against PubMed, against CrossRef, against Retraction Watch, and against the Cabell's Predatory Journals database. Those last two are not available within eXtyles and it will structure them according to my format. In this case, I've chosen AMA 11th edition style and it will add DOIs, PubMed links, and so on. So you can see now that the results have come back from Edifix. I can see, for example, that reference four has been retracted and I can see that reference 11 is a duplicate of reference three. So what I've decided to do just to show you some of Orion's features is to delete reference three rather than reference 11.

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Under my advanced workflows menu, there's a number of options here. I'm just going to show you a few of those. If we look at the document here, I can see that the references are shown as baseline numbers in brackets, whereas if I look at the Compass application, which is where my settings are stored for Orion, and go to citations, I can see that my selected citation style is superscript numbers. So when I run convert and clean citation style, it's going to identify the numbered citations and it's going to correctly convert

them over into superscript numbers. See it's done here, it's also moved them relative to the punctuation and so on.

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And I'm going to show you citation matching and again, this is controlled through that Compass interface, but it's looking for the citations of references, but also figures, tables, and boxes. It's applying a character style to those citations. You can see there's that blue shade, and down here we have figures and tables, and it's going to use that when we come to make XML to give me call outs from the figure citations to the objects themselves. I have checking of numbered citation order, and this obviously if you have hundreds of references, it can be very difficult to make sure with a numbered style that they're all in the correct order. I can see here when I go to look at the comments, it's telling me unsurprisingly that reference 11 is out of order. As we know from previously it was reference three, but I don't have to fix everything by hand here.

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I can use, if I'm confident that the citations all line up and that the numbers that are cited correspond to the correct references, I can just use Orion's the bibliographic citation renumbering feature and that will automatically take care of the renumbering for me. You can see here we've now have references two and three here. And if I scroll down to the bottom of the list, I now have reference three back and I have no reference 11.

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If I need links to my table footnotes in my XML, I can run footnote citation matching and then I can run this export preflight step. And what this is doing is it's adding in a lot of that granularity and particularly in the front matter of the document that's so time consuming to organise. So we've got all of our first names and surnames highlighted. I've got all my parts of my affiliations, my history here and further down, my keywords and my abbreviations all parsed out there. And then the final step is to export to XML. In this setup, I have two options. One is our default Orion JATS, which is very full featured and with all the granularity that's present. And then we also have a setup of PubMed Central compliant JATS, which means that your XML that you would get from Orion could just be deposited directly into PubMed Central and will meet their style checker guidelines.

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So this export is leveraging that paragraph style information, character style information, and internal knowledge about how in this case the JATS DTD is organised to create an XML file with all the structure that you would need. And you can see here in, if I just pretty print this in Notepad++, here's my metadata that's come from that. Some of this has come from that dialogue that we filled in. Some of it was stored in Compass, information about the ISSNs of the publication, for example. Yeah, my titles, left and right running head, my authors and so on. So hopefully that gives you a flavour of what's available in Typefi Orion and come talk to us more if you are interested.