

Guy (00:01):

Let's do it. Just around the corner. So my slides aren't as nice as Caleb's and this presentation is not going to be as nice as Toni's. This is stuff that we're working on and it is really stuff that's still currently being actively developed. So it is just not as polished as some of the other stuff. And I still want to show you the things that we're working on because it's what's coming and it feeds a lot of the things that we do. So one thing that's just around the corner that I don't have a slide for, but that I was thinking about when Caleb talked about a Typefitter and asset, not AssetFlow, AutoFit. Please remember that even though InDesign 2025 is just around the corner when it comes to Adobe MAX, that it takes a while for InDesign Server to become available, which is what a lot of you use with Typefi.

(01:09):

So please remember to check your Adobe Creative Cloud settings that it doesn't automatically update your Creative Cloud to the latest version and doesn't delete your old version. You can instal it. Just make sure it doesn't delete your old version. And I've reminded Lukas that we should send out a communication about that to everybody who's not in this call, which is a lot of you. So that was just something that popped into my mind because I know that there's some InDesign users in here. I'm always excited and I instal it the moment I have it, but it's going to take us a couple of a month or two to until Adobe InDesign Server is available. Anyway, back to InDesign. So like I was saying, the two things that I'm going to be showing you are revamped HTML work and the Advanced Engine are things that are largely complete in terms of the features, but they're also still actively being worked on as you'll see in a moment because one of the things I literally tried this morning and it didn't work the way that it worked yesterday, so this is still active. This is not something that's going to be available next week, but both of these features are scheduled for release in the first half of 2025. So they are just literally just around the corner. So one of the areas, as Caleb mentioned before, is reworked HTML.

(02:47):

We've had our DAISY plug-in, and DAISY is HTML in the background, for a couple of years. And some of our customers actively use that. We've had an EPUB plug-in that generates EPUB from InDesign and we've had one that sort of exports to EPUB, but it hasn't really been that clean. And now we've had an HTML 5 plug-in, but that was built on entirely different technology. So we went back and we're like, we've got the experience with the DAISY plug-in. It should be much easier for us to build something that allows us to generate EPUB, HTML 5, XHTML, and well, we were already producing DAISY, so that's going to continue because DAISY is based on XHTML. So that was something we wanted to make sure that we all have the same experience for each of these plug-ins and that it natively takes CXML, which is the intermediary format for the people that don't work with Typefi daily or that don't deal with XML daily.

(03:57):

CXML is like the wheelbarrow that allows the various kinds of input files to be ready for generating InDesign and PDF and these other formats. So that was one of the primary goals. The second one, we wanted to be able to make improvements more easy. Right now, it would require every time a new version of the plug-in, which increased the amount of testing that we needed to do and we wanted to make sure that if you report saying, hey, this HTML thing is not rendering properly in, or like you forgot this thing, that we would be able to make these improvements more easily. And thirdly, because of being able to make these improvements more easily, we would also make it easier to create customization specifically for you as a customer, which is especially relevant for HTML 5. If you are building a website, it is very likely that you want that HTML to be built a certain way and we want it to make sure that would be easier to customise.

(05:10):

In order to do that, as Caleb alluded to earlier, we added we're going to be adding a new feature to CXML 3.3, which is H1 through H6 attributes on <p> tags. So previously everything was always a <p> tag and that meant that we had to do create transforms and do other things if we wanted to make things a heading, and now we're going to have native support for H1 through H6. So that means if the input XML already has H1 through H6, that can easily be travelling through into the CXML. In this case we built it for HTML, but it is going to benefit all of our tools because that attribute can be easily fed into InDesign so that the H1 through H6 attributes automatically updates in your InDesign paragraph style so that your PDF benefits from these as well. So this small change that was done specifically to make it easier to generate HTML will have benefits across the board.

(06:25):

So that, anyway, let me quickly show you how that looks in practise. So this is the different slide. So one of the things that we've done in order to make it so that it is more easy to...spinning beach ball, oh yeah, it can. I was like, this is not the time for internet issues or for, you can see this is a dev environment, so I'm taking a big risk on showing you this, but it's going to be fine. So like I said, one of the things that we've done is we separated the here. You see, this is something that our customers that are familiar with XML have already seen, but we've got a resources tab and everything having to do with the actual generation of HTML from CXML is done using this resource. So that means that when you want to generate HTML, we're going to give you, and this is all still the name, but you see here core HTML 5, we're going to give you the core HTML 5, and that will allow you to generate HTML 5.

(07:42):

You'll get a default HTML, and then if you have customizations or anything that you want, you can work with our XSLT team. XSLT is the technology to transform XML to make the HTML come out exactly the way that you want it. In terms of the separation, based on some feedback from that we've recently received, we're actually also going to go one step further because right now the optimization of images is a tab that is individual to each. So we've got transformation of images in the EPUB action and in the DAISY action and so on and so forth. And based on the feedback that we recently received, we're actually going to separate out the images, the processing of images into its own action that can be done before the HTML Damian, I think you filed that one on behalf of a customer. So that's something that we're going to do because it again allows us to, if there's an issue with the processing of images, we just need to update that one plug-in instead of three different ones. Anyway, I digress. So here what we've got is we've got a CXML file and we're going to transform that into HTML.

(09:10):

Those of you that have eagle eyes, they're going to laugh. I'm going to see if you can observe what's wrong with the picture. So here we've taken a CXML file and I've got it open on my screen here. You can see this is the CXML and you can see that we've got that H1 tag that I was talking about earlier has been applied in this case to my heading one. And you can see here on the side that there is heading two, heading three, and so on and so forth. So this is the CXML that I just fed into the thing. Now, this zip file right now, we've chosen to combine everything into a zip file. Who can tell me what might be wrong with this zip file when it comes to HTML? Let's see the eagle eyes among you.

(10:04):

I'm going to give you a hint. A 21 megabyte HTML file is a little bit big, so that's why I'm saying it's still under development. The images aren't being properly reduced yet. That'll all be fine for the release first anyway, the thing is that we've got HTML out here. Now, I did not spend any time, this is not marketing material yet. This is just showing what we're working on, so it doesn't look very pretty. But here is an HTML file and I'm going to open it in a browser. The images are in there already. One of the things that we're working on is creating a little cover image so that this plant is actually going to be at the top left above the table of contents as a hero image. And what you can see here is we've got a collapsible table of contents, which is driven by the headings, the H1 through H6.

(11:03):

So if those are present, it automatically gets generated. You can collapse them. So I can go in here and see the 17 individual goals. You can see this is a heading three and so on. So that navigation is there by default, we can collapse it, and we've got an arrow down here that allows you to go back to the top. So these are things that will work by default with the new HTML plug-in. Also to show you, this is something that we'll be able to do natively. If you've got your content and you're already generating a PDF, generating HTML will be just that one step will be just one click further away natively without needing to do anything else. But obviously when we're going to do this for the actual demonstration, we'll also make it look a little bit, like I don't like Times New Roman, but it's irrelevant. You can see that the native, because we're using the H1 through H6 tags that travel through, you can see that the native browser rendering of headings is showing the headings as larger instead of everything in one font, right? So this is the revamped HTML plugin. And that same technology is also going to be coming to EPUB, although there, EPUB already has the ability to have a navigation that is controlled by the reader. But this is the HTML plug-in revamp coming to you in early 2025.

(12:39):

I've been with Typefi for 10 years, and one of the pieces of feedback that we've had is that it would be really, really... We've always generated... When we're generating the output, we always generated, we always say, go back to the source content, make your changes there and run the job again, which is making sure that we get the latest PDF, the latest output. But we've also had situations where people have been telling us sometimes we've only made small changes. And yes, if there's a significant amount of change, obviously running the job again makes perfect sense. But if there's only a small last minute change, or we're going back to tables, maybe we are troubleshooting a table and we're trying some different things to make it work, and we just want to send that particular table again, or we always have a placeholder images because our images are not clear until the absolute last stage of publication, but our proofs are fine, but now we've got to run the entire job again just to replace the images.

(13:54):

So those kinds of things have been pieces of feedback coming from customers and potential customers in the years that have been at Typefi. And so we've gone ahead and taken a look, a first stab at how we might solve that problem for our customers. And that is what the Advanced Engine, the Advanced Engine is the working title. It might be called something else in the final sales material, but the action is the Update InDesign Document action. And the fact that we say update, that clearly means that we're doing something else than generating the entire thing from scratch. The word targeted is in italics for a reason. This is in its first iteration, absolutely something that is meant to replace one or two or three smaller changes. And not massive, five paragraphs have been rewritten and 15 images have been added. That's not a last minute that requires running the job again.

(15:01):

So that targeted part is quite important for this first iteration though obviously we've got plans to improve this in the future. So what are some things that it can do? It can replace one or two or all of the images in a previously generated InDesign file. It can, and again, talking about that targeted, it can replace one or more tables in a document, though I do caution the more tables, the higher likelihood that there will be more changes to the layouts than we can handle. So remember that targeted thing. That's definitely something that to keep in mind. It can replace the content of a Typefi element. So if there's just some changes in a Typefi element, or it can replace some text within a Typefi section. Again, targeted, that is a really important concept. And you'll see what I mean in a moment when I actually demonstrate or show a little bit about how this works.

(16:09):

Changes that we've made in CXML 3.3 in order to accommodate this is we now have optional IDs, we will have in CXML 3.3 to support the Advanced Engine, optional IDs. Well, the IDs are optional in CXML 3.3, but anything that you want to target with the Advanced Engine has to have an ID. So that is quite important because it's the IDs that we use to target the content. And we have a new status attribute that was designed specifically for the Advanced Engine, but that will have potentially some interesting uses further down the line for other things as well. So that's the end of the slideshow. So let me show you how that might look. So one of the things that is important to realise is we can't just update any InDesign file, and I think that would make sense if you think about it.

(17:13):

It has to be an InDesign file, and it has to be an InDesign file that was generated with whatever version number of the InDesign action that's going to come out with support for updating InDesign documents. So our marketing team will make sure that you're aware of what version that is. So you will always start with running a full workflow like we've got here, the transforming JATS and all that other good stuff that, or Writer or other things. And then you would go ahead and so you would generate your InDesign file. And in this case you can see that at the end of my workflow, I've got a Copy action that copies my generated InDesign file into a separate folder. So that exists right here. And then my Advanced Engine workflow, which is a much shorter workflow, uses that InDesign document. So it doesn't use an InDesign template, but it really points to that InDesign document because we are updating an InDesign document. So it's a much shorter workflow. Now, as I was saying, this is a development environment and we were trying some things this morning and we broke it. So unfortunately I can't run this from this user interface that you're seeing right here, but one of our engineers was kind enough to do it on their local system, and that's what I'm going to be showing you here.

(18:47):

So here we've got the, and I think I already had it open, so I downloaded the InDesign files, I downloaded the generated InDesign file earlier this morning. So that's what we're looking at here. I think I already had that open in InDesign. So this is the generated InDesign file that we generated, that we started with. So you can see there's a whole bunch of images and things like that. And this is a full document. This is a 54 page document and we now want to do a targeted replacement. So right here on this page number 11, we want to make some changes because actually at the last minute they've decided that we want to, this image is no longer correct. So we've done some changes. And right here, let me show you the CXML. This is the area that's highlighted. I zoomed in. I hope it's a little bit clear for you to see.

(19:49):

But what you can see here is that we've got a context. So that's a Typefi element that is specifically this figure right here with this graphic. What we've gone ahead in there and done, we've gone ahead and changed some texts. So here you can see that there's a picture of a butterfly and so on and so forth. And we're going to be changing the image as well as the alternative text for that image. That's what we're going to do. So this is the CXML. You can here see that status of changed, which helps the Advanced Engine know that out of this entire file that this is the only component that we are going to be replacing. And we've also gone ahead and changed the title of this particular section. So like I said, my colleague ran that job for me earlier this morning.

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And here is that InDesign file here. Is that modified InDesign file. Still that same, all of that content is there, but here you will now see that instead of pictures of broken bones, we now have a different title. We replaced it with a butterfly. And you can see, let me zoom in a little bit. You can see that we, sorry, scrolling. You can see that we changed that text of that document on the fly, right? So targeted replacements of content within a generated document in the first iteration of the Update InDesign Document action. Thank you for listening to and looking at this first peek behind the curtain of something

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that is going to be released very soon in early 2025. And that I think will make a big difference for specific use cases.