

**CONTENT COLLABORATION**

**FRAME WORK**

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# Content Collaboration Frame Work

- ❖ Seamless Framework for Collaborating Windchill Managed Content

## Salient Features

- ❖ Content in diverse formats
- ❖ Across heterogeneous systems
- ❖ Along with Windchill approval and signature history
- ❖ Real time and Batch mode content sharing
- ❖ Based on Specific Windchill events as State Change
- ❖ On-Demand or From a Workflow Expression
- ❖ Web Service enabled remote access

# CCF Features – ProE Drawings

## Delivers

- Publish in PDF
- Publish as Image file
- Embedded Release Signatures

## Collection of DRW Files

- From Individual CAD Drawing Actions List
- From Search Results
- Baseline
- Change Object
- Promotion Request
- Based on the flat file

# CCF Features – ProE Drawings

## Collection Resulting From

- Windchill generated events (Ex. State Change)
- On-Demand (Ex. From details page, search results)
- From Workflow expression

## Modes of Rendering

- Replace Default Representation
- Add as Secondary Content
- Primary/Secondary content to a WTDocument or one of its sub-types
- Stream Content directly to the end-user desktop
- Share the content to a Project in ProjectLink
- FTP the content to a remote location
- Stream the content in response to a External Web Service Call.

# CCF Features – ProE Part and Assemblies

## Delivers

- Native ProE files as a zipped package
- IGES, DXF, SVG and STEP conversion of all the related CAD files
- Add-On modules for other format conversions

## Collection of CAD Files

- From Individual CAD Model Actions List
- From Search Results
- Top Down approach
- Bottom Up
- Baseline
- Change Object
- Promotion Request

# CCF Features – ProE Part and Assemblies

## Collection Resulting From

- Windchill generated events (Ex. State Change)
- On-Demand (Ex. From details page, search results)
- From Workflow expression

## Modes of Rendering

- Add the zipped content as secondary content
- Primary/Secondary content to a WTDocument or one of its sub-types
- Stream the content directly to the end-user desktop
- Share the content to a project in ProjectLink
- FTP the content to a remote location
- Stream the content in response to a external web service call.

# CCF Features – Office Documents

## Delivers

- Publish in PDF
- Embed Release Signatures
- Conversion of Office documents to latest Office versions

## Collection of Document Files based on

- From Individual Document Actions List
- From Search Results
- Baseline
- Change Object
- Promotion Request
- From WTParts associations to documents

# CCF Features – Office Documents

## Collection Resulting From

- Windchill generated events (Ex. State Change)
- On-Demand (Ex. From details page, search results)
- From Workflow expression

## Modes of Rendering

- Replace Default Representation
- Add as the Secondary Content
- Stream Content directly to the end-user desktop
- Share the content to a Project in ProjectLink
- FTP the content to a remote location
- Stream the content in response to a External Web Service Call.



# CCF – Salient Features

## Seamless Integration with Windchill

- Look and Feel as Windchill OOTB UI
- Deployment and Configuration do not interfere with OOTB features
- Invoked from Windchill UI and Windchill Workflows
- Invoked based on Windchill Events
- Packaged in-line with PTC recommended customization standards
- Embedded change/release process signatures

## One Framework – Numerous Configurations

- Versatile Collection, Conversion and Transportation
- Configurable Change/Release signatures and comments
  - A True means of managing data electronically

# CCF – Salient Features

## Superior Solutions Framework

- Implemented as Collection, Conversion and Transportation Processors
- Easy to deploy, maintain and adding add-on modules
- Variety of configurations based on a flat file
- Simple APIs for in house developer to build on
- Uses HTTP with compression for optimizing network bandwidth
- Real time and batch mode requests
- Web Service Enabled Remote Access

## Advanced Process Handling

- Watchdog concept for terminating hung processes
- Good Process Monitoring
- Good Logging
- Robust exceptions handling and superior stability