# UiPath를 통한 RPA 프로젝트



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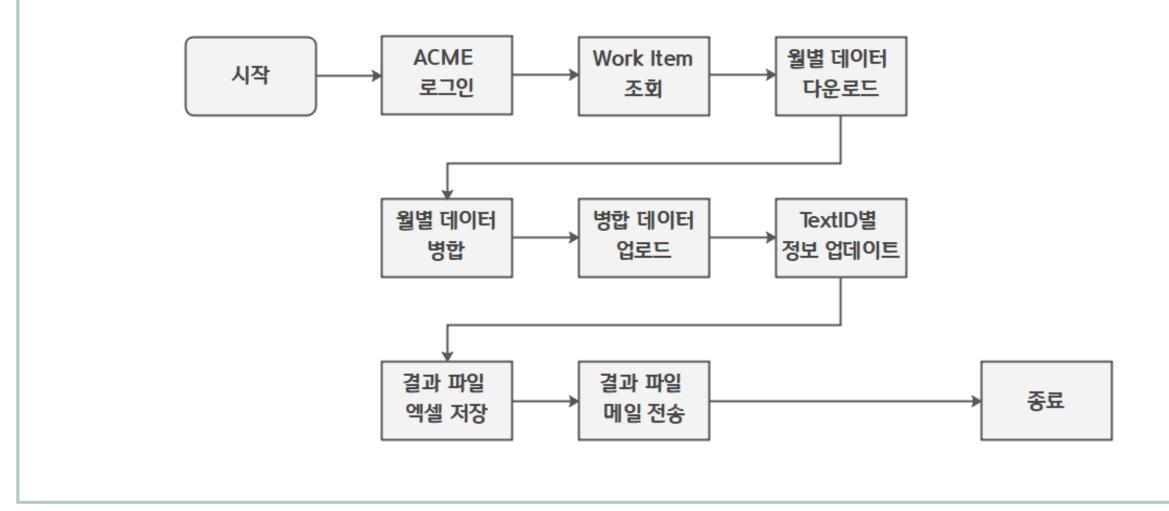
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#### 〈 프로젝트 개요 〉

#### ■ 프로젝트 분석(AS-IS)



#### 〈 프로젝트 개요 〉

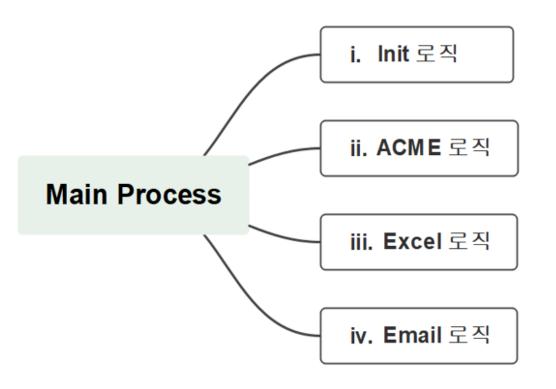
#### ▋ 프로젝트 일정 계획

총 개발 기간: 1주일



#### 공통 사항

- ▼ □ 000\_Process\_Common
  - Get\_Credentials.xaml
  - Read\_Config.xaml
- ▼ □ 100\_Process\_Excel
  - 101\_Excel\_MergeData.xaml
  - u 102\_Excel\_Create\_Yearly.xaml
  - 103\_Excel\_Save\_Vendor\_Info.xaml
  - 104\_Excel\_NewName.xaml
- ▼ □ 200\_Process\_ACME
  - u 201\_ACME\_Login.xaml
  - UI 202\_ACME\_ExtractDatatable.xaml
  - 203\_ACME\_Download\_Monthly\_Report.xaml
  - 204\_ACME\_Upload\_Yearly.xaml
  - 205\_ACME\_Upload\_Items.xaml
  - 0 206\_ACME\_Information.xaml
- ▼ □ 300\_Process\_Mail
  - 301\_Email\_Send.xaml
  - Main\_Process.xaml
  - project.json



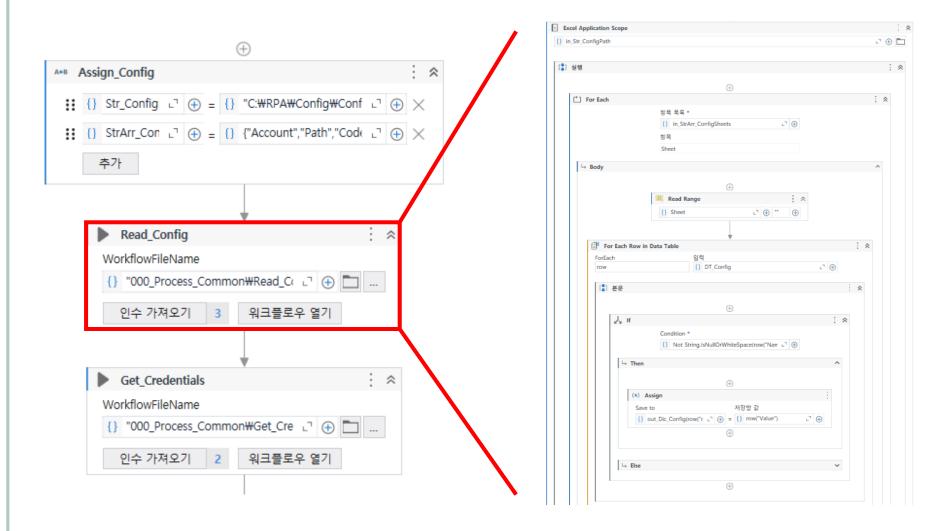
 Invoke 처리를 통한

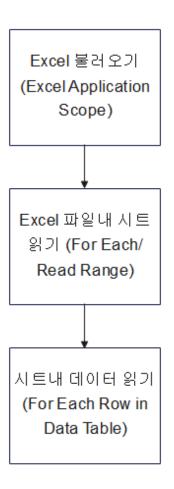
 객체 지향 방식 구현

변수 - 헝가리안 표기법을 통해 같은 의미를 가지는 서로 다른 타입 충돌 방지

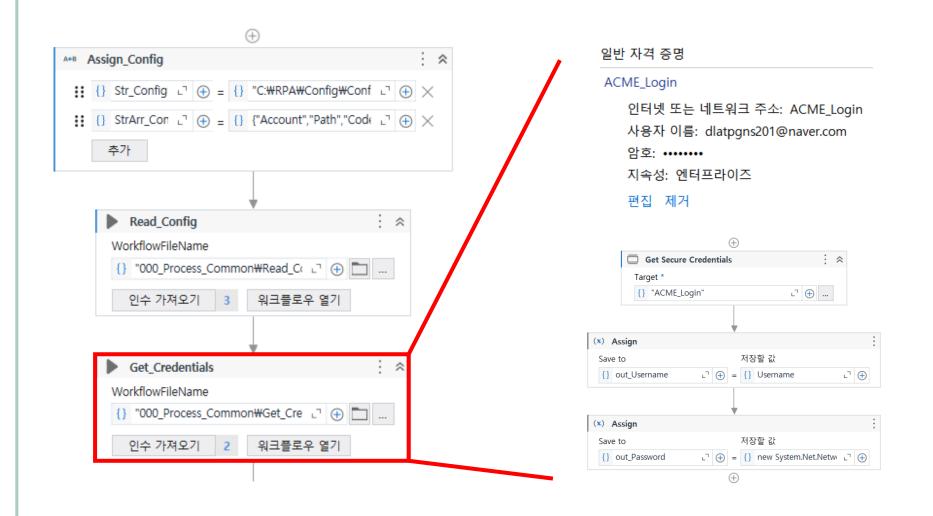
\* 헝가리안 표기법: 변수의 자료형을 변수 명의 접두어로 붙이는 방식

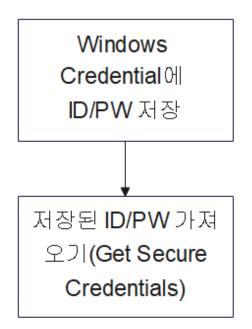
#### 1. Init - Config

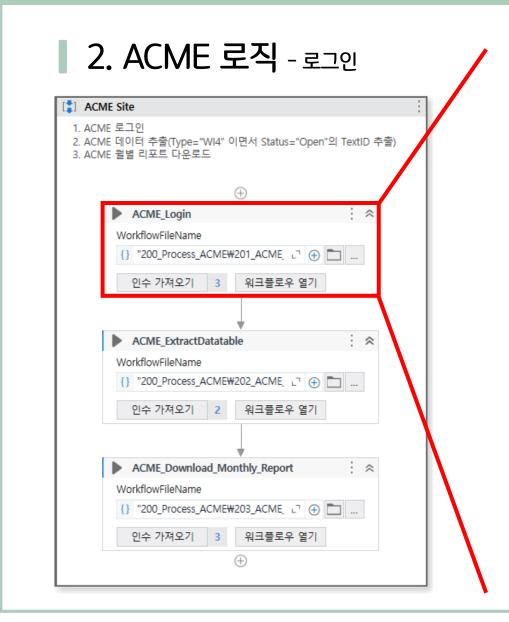


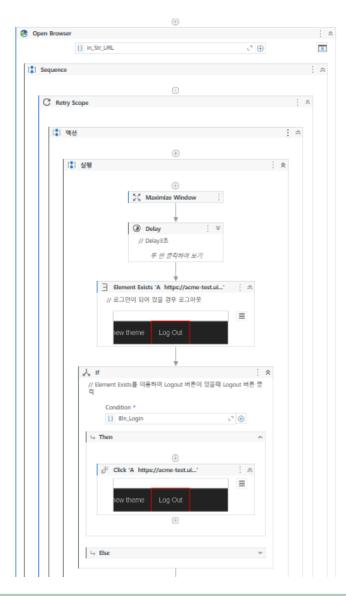


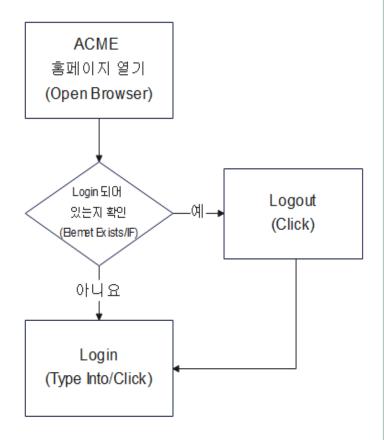
#### 1. Init - Credential



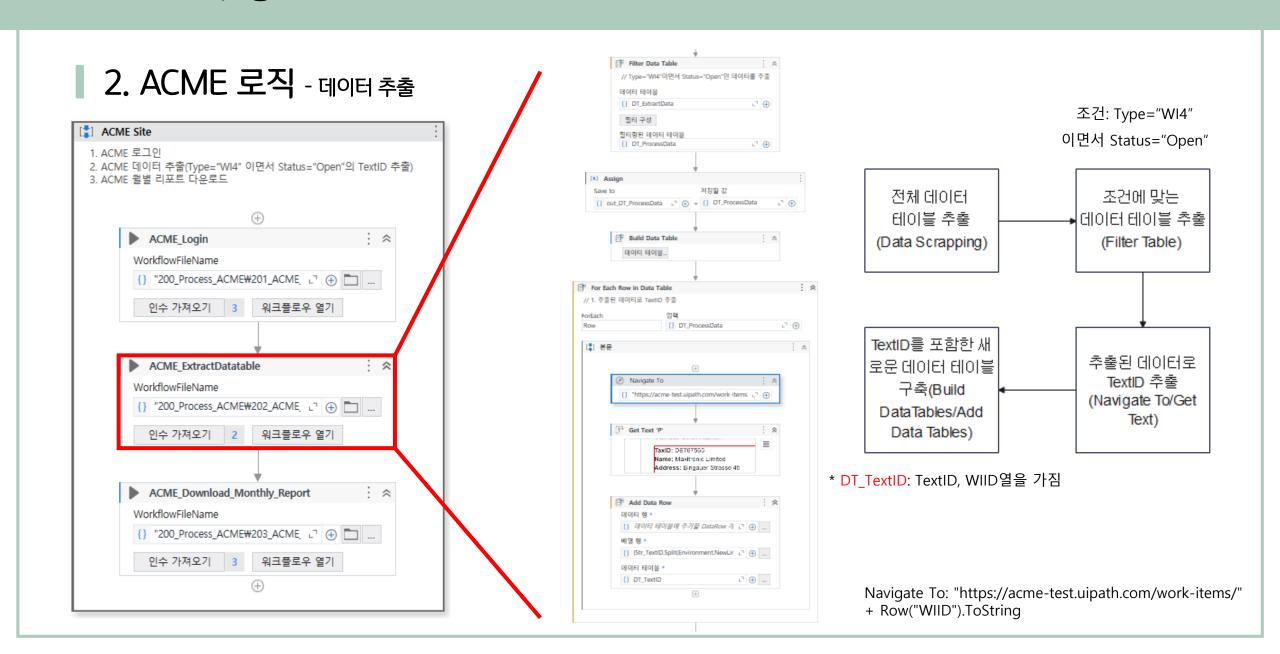








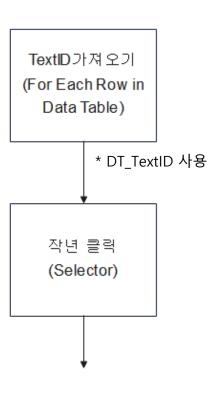
예외처리: Retry Scope를 통하여 로그인 실패시 다시 실행되게 로직 구현



2. ACME 로직 - 작년 월별 리포트 다운\_01



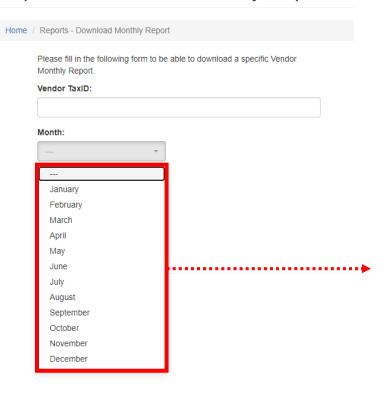


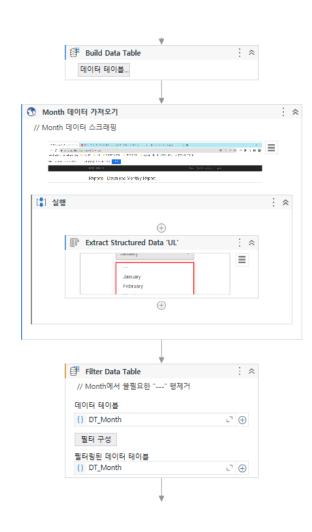


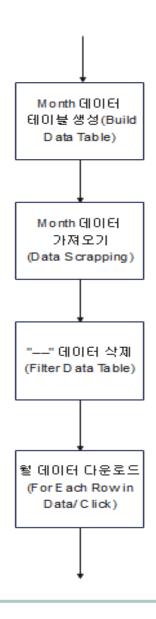
In\_Str\_Year: Now.AddYears(-1).ToString("yyyy")

#### 2. ACME 로직 - 작년 월별 리포트 다운\_02

#### Reports - Download Monthly Report

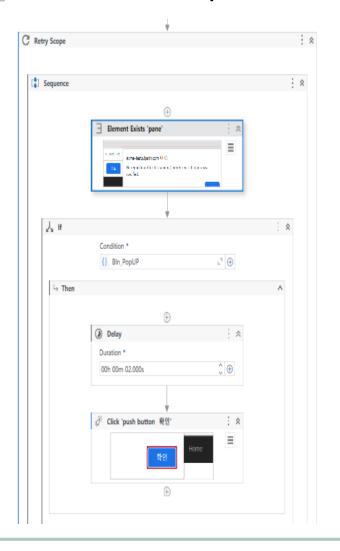


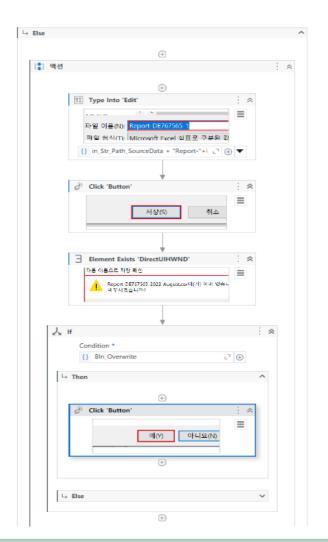


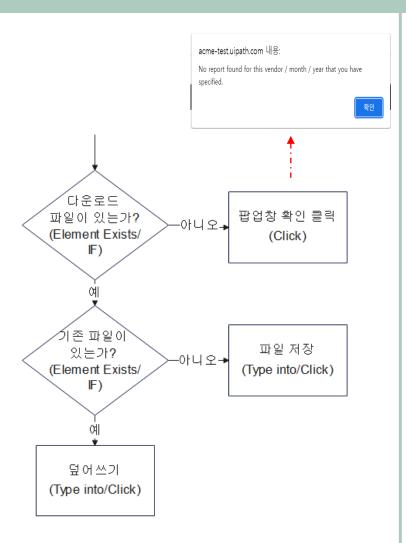


2. ACME 로직 - 작년 월별 리포트 다운\_03

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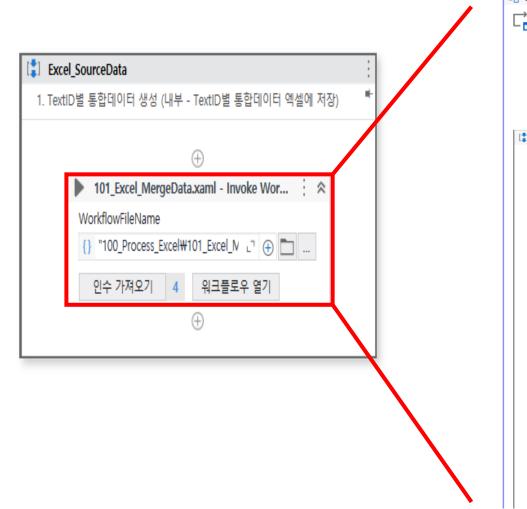


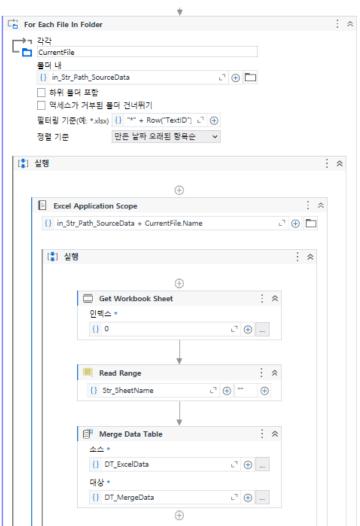


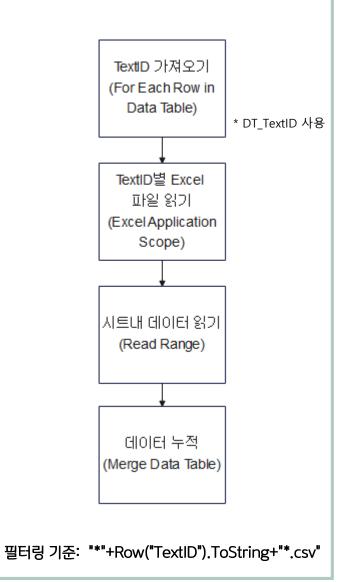


예외처리: Retry Scope를 통해 팝업창 클릭이 안된 경우 다시 클릭하도록 로직 구현

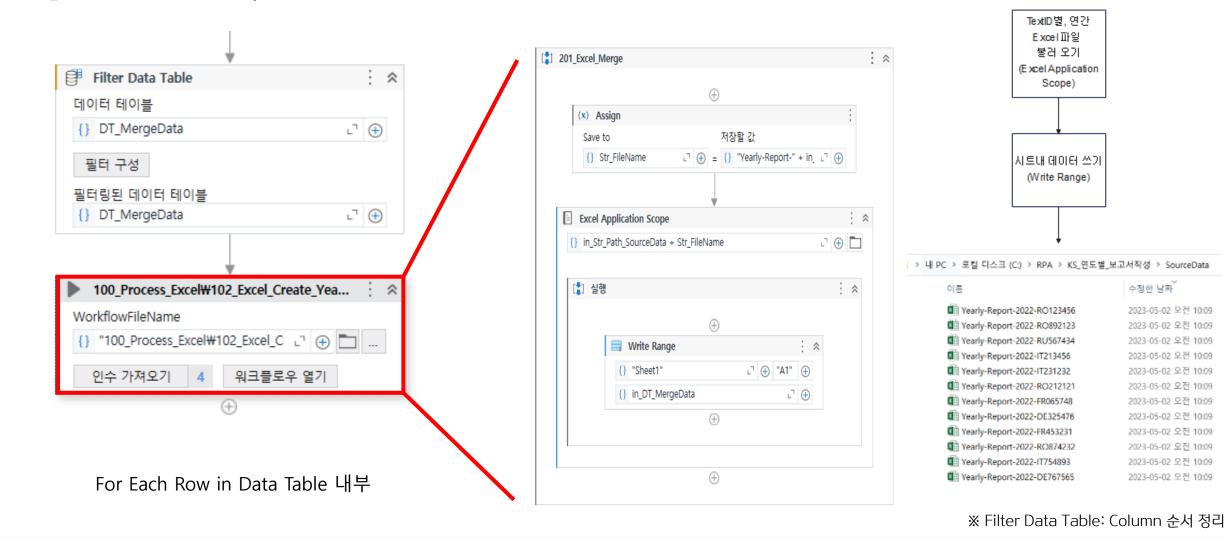
3. Excel 로직 - 연간 데이터 테이블 구축



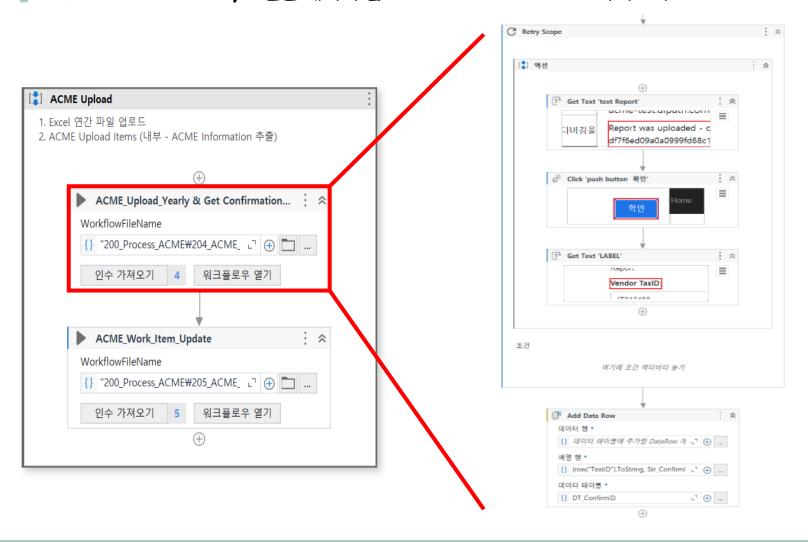


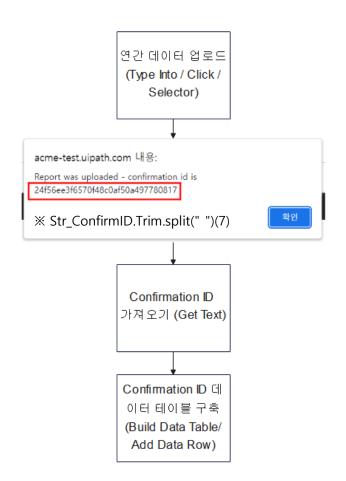


#### 3. Excel 로직 - 연간 데이터 테이블 저장



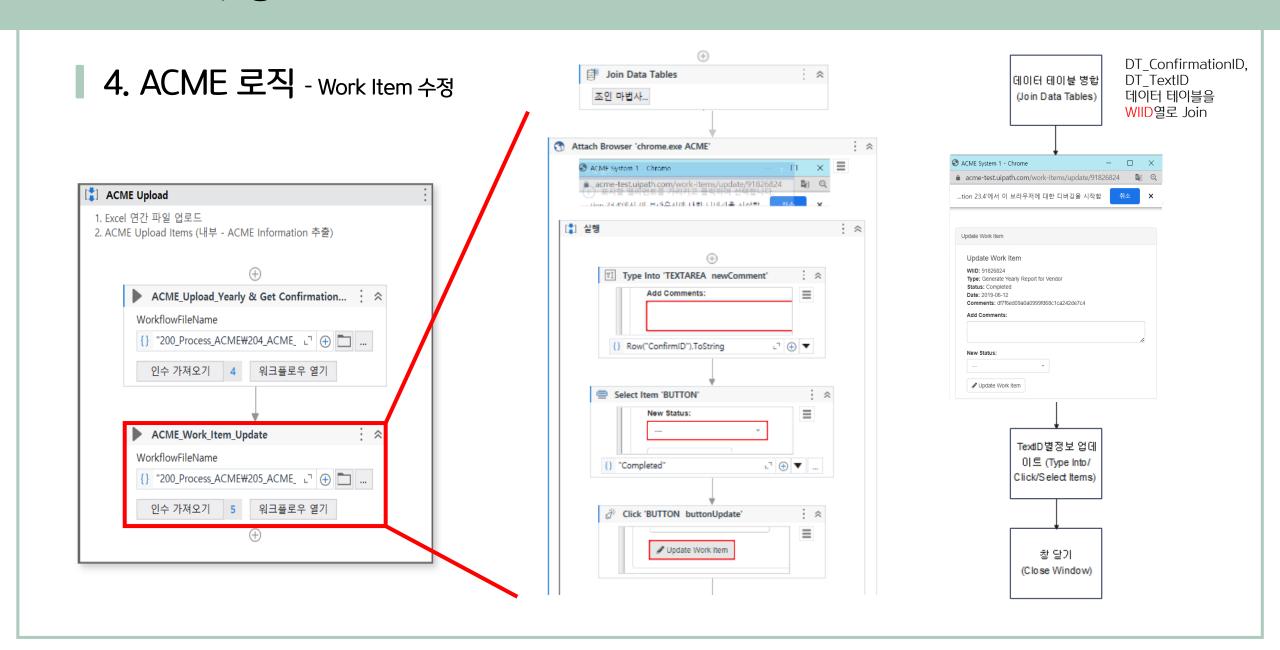
4. ACME 로직 - 연간 데이터 업로드 & Confirmation ID 가져오기



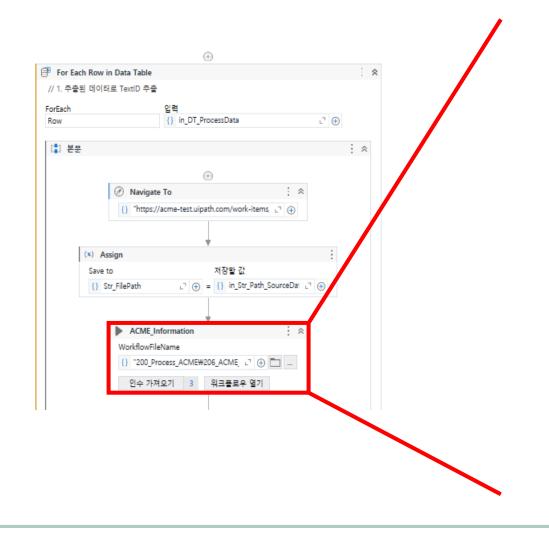


\* DT\_ConfirmationID: ConfirmationID, WIID열을 가짐

예외처리: Retry Scope를 통해 팝업창 클릭이 안된 경우 다시 클릭하도록 로직 구현



#### 4. ACME 로직 - Vendor 정보 가져오기





#### Vendor Information

TaxID: DE767565

Name: Maxitronic Limited Address: Bingauer Strasse 45

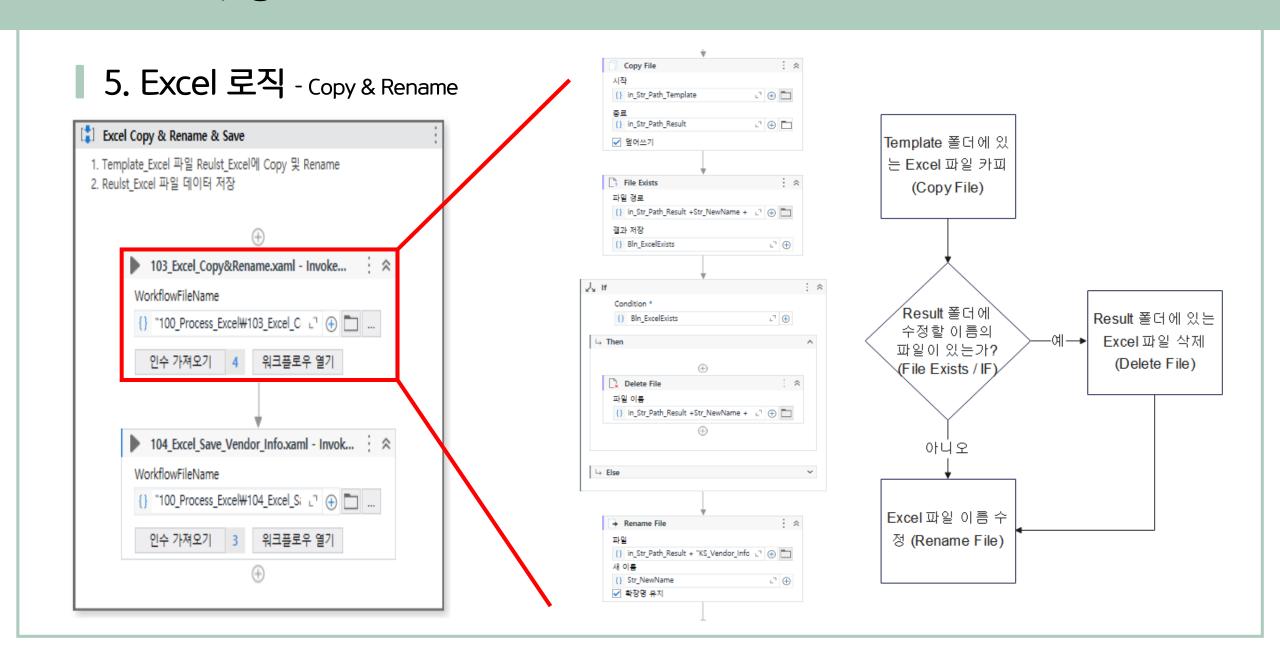
City: Koln, Germany

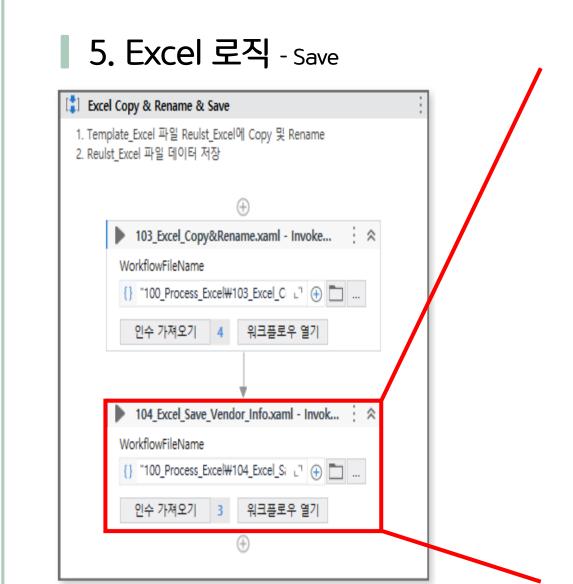


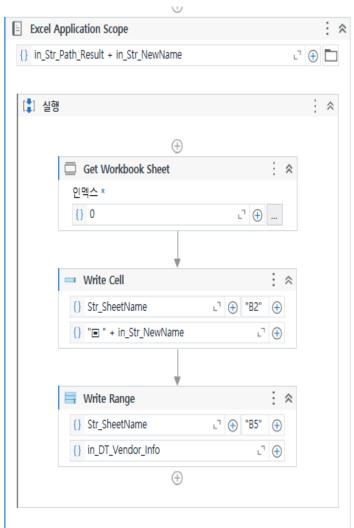
\* 데이터 테이블: DT\_Vendor\_Info

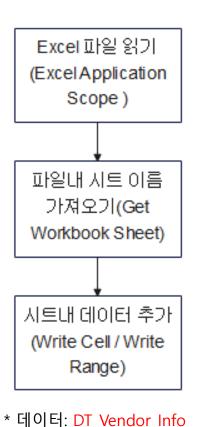
#### TextID:

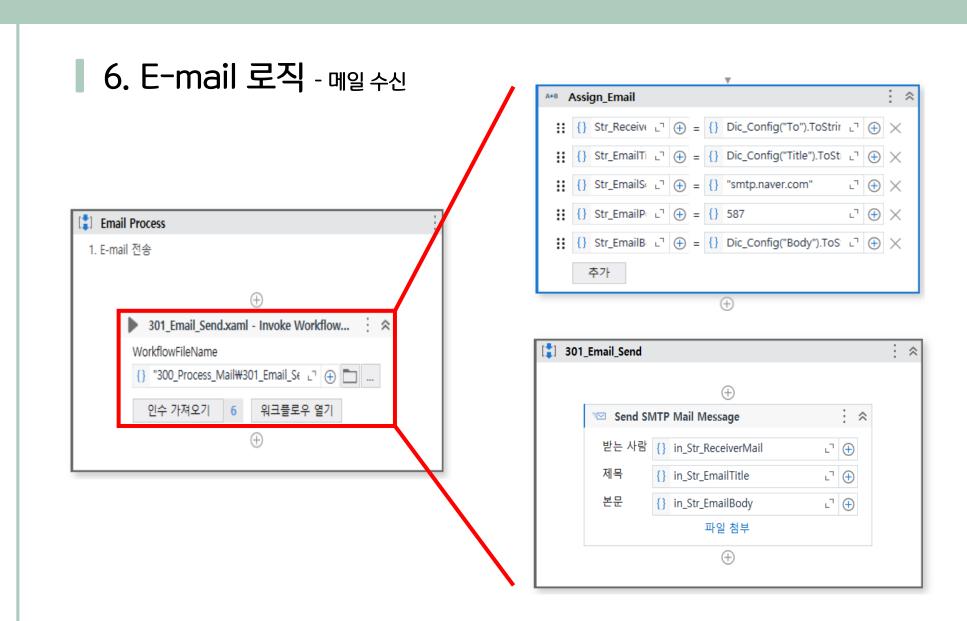
Str\_Info.split(Environment.NewLine.ToCharArray)(1).Trim. split(":"c)(1).Substring(1)











Email 메일 송신 (Send SMTP Mail Message)

#### 〈 프로젝트 결과 〉

#### 1. 결과 파일 - Excel & Email

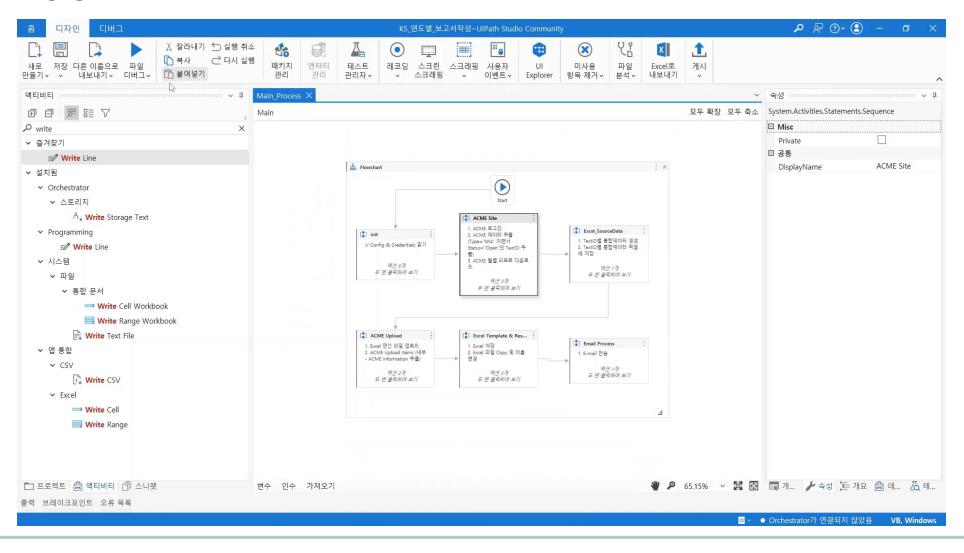
#### ● KS Vendor Information 2022 Yearly Report

No.	TaxID	Name	Address	City	FilePath
1	DE767565	Maxitronic Limite	Bingauer Strasse 45	Koln, Germany	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-DE767565
2	IT754893	In Advantage Tec	Via del Colosseo	Roma, Italy	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-IT754893
3	RO874232	Telephone Syster	Intrarea Telefoanelor 112	Bucuresti, Roman	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-R0874232
4	FR453231	Minitronic Systen	Rue Saint Denis 68	Paris, France	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-FR453231
5	DE325476	Volga Rivers	Hoch Strasse 12	Koln, Germany	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-DE325476
6	FR065748	Softix Providers	Rue Haute 32	Lyon, France	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-FR065748
7	RO212121	Green Restaurant	Strada Verde 67	lasi, Romania	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-RO212121
3	IT231232	IT Works	Via Prossima 12	Torino, Italy	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-IT231232
9	IT213456	Microtronic Enter	Via Alta 32	Roma, Italy	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-IT213456
10	RU567434	Red Communicat	Pobeda Ulitsa 21	Moscow, Russia	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-RU567434
11	RO892123	Star Software	Aleea Rozelor 84	lasi, Romania	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-R0892123
12	RO123456	Godmother Cater	Strada Flamanda 45	Bucuresti, Roman	C:₩RPA₩KS_연도별_보고서작성₩SourceData₩Yearly-Report-2022-RO123456



## 〈 프로젝트 결과 〉

#### 2. 시연 영상 - UiPath



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