## Name: Balakrishna Mupparaju

## **Assignment: Project Milestone 3**

```
In [24]: import pandas as pd
         import requests
         from bs4 import BeautifulSoup
         from fuzzywuzzy import process
         import warnings
         warnings.filterwarnings("ignore")
         # ===========
         # Scrape the Wikipedia S&P 500 data directly from the HTML source.
         wiki url = "https://en.wikipedia.org/wiki/List of S%26P 500 companies"
         response = requests.get(wiki_url)
         soup = BeautifulSoup(response.content, 'html.parser')
         table = soup.find('table', {'id': 'constituents'})
         rows = table.find all('tr')
In [26]: # Gather data from the table rows (skip the header row)
         tickers = []
         companies = []
         sectors = []
         industries = []
         date added = [] # Date on which the company was added to the index
         for row in rows[1:]: # Skipping header row
            cols = row.find all('td')
            tickers.append(cols[0].text.strip())
             companies.append(cols[1].text.strip())
             sectors.append(cols[3].text.strip())
             industries.append(cols[4].text.strip())
             date_added.append(cols[5].text.strip())
         # Create DataFrame from the scraped data
         wiki_data = pd.DataFrame({
             "Ticker": tickers,
             "Company Name": companies,
             "Sector": sectors,
             "Industry": industries,
            "Date_Added": date_added
         })
# Step #1: Replace Headers
         # Description: Rename headers for clarity and consistency with other data so
         wiki_data.rename(columns={
             "Sector": "Industry_Sector" # Aligns with Kaggle and other datasets
         }, inplace=True)
         print("Step #1: Replaced Headers")
         print(wiki data.head(), "\n")
```

```
Step #1: Replaced Headers
                                                    Industry_Sector \
         Ticker
                        Company Name
            MMM
                                 3M
                                           Industrial Conglomerates
       0
       1
            A0S
                                                  Building Products
                         A. O. Smith
                                              Health Care Equipment
       2
            ABT Abbott Laboratories
       3
          ABBV
                             AbbVie
                                                      Biotechnology
            ACN
                           Accenture IT Consulting & Other Services
       4
                         Industry Date Added
            Saint Paul, Minnesota 1957-03-04
       0
             Milwaukee, Wisconsin 2017-07-26
       1
       2 North Chicago, Illinois 1957-03-04
       3 North Chicago, Illinois 2012-12-31
                  Dublin, Ireland 2011-07-06
# Step #2: Fix Casing/Inconsistent Values
         # Description: Convert text columns to Title Case to ensure consistency.
         wiki_data['Company_Name'] = wiki_data['Company_Name'].str.title()
         wiki_data['Industry_Sector'] = wiki_data['Industry_Sector'].str.title()
         wiki data['Industry'] = wiki data['Industry'].str.title()
         print("Step #2: Fixed casing in text columns")
         print(wiki_data.head(), "\n")
       Step #2: Fixed casing in text columns
                        Company_Name
                                                    Industry_Sector \
         Ticker
                                           Industrial Conglomerates
            MMM
                                 3M
       0
       1
            A0S
                         A. O. Smith
                                                  Building Products
       2
            ABT Abbott Laboratories
                                              Health Care Equipment
       3
          ABBV
                             Abbvie
                                                      Biotechnology
            ACN
                           Accenture It Consulting & Other Services
       4
                         Industry Date_Added
            Saint Paul, Minnesota 1957-03-04
       0
             Milwaukee, Wisconsin 2017-07-26
       2 North Chicago, Illinois 1957-03-04
       3 North Chicago, Illinois 2012-12-31
                  Dublin, Ireland 2011-07-06
In [32]: # ============
         # Step #3: Identify and Remove Duplicates
         # Description: Remove duplicate entries by Ticker & Company Name to ensure \iota
         num_duplicates = wiki_data.duplicated(subset=['Ticker', 'Company_Name']).sum
         print(f"Step #3: Found {num_duplicates} duplicate(s) before removal.")
         wiki_data = wiki_data.drop_duplicates(subset=['Ticker', 'Company_Name'])
         print("Duplicates removed.")
         print(wiki_data.head(), "\n")
```

```
Step #3: Found 0 duplicate(s) before removal.
       Duplicates removed.
         Ticker
                       Company Name
                                                  Industry Sector \
                                          Industrial Conglomerates
            MMM
                                 3M
       0
            A0S
                        A. O. Smith
                                                 Building Products
       1
                                             Health Care Equipment
       2
            ABT Abbott Laboratories
       3 ABBV
                                                    Biotechnology
       4
            ACN
                          Accenture It Consulting & Other Services
                        Industry Date_Added
            Saint Paul, Minnesota 1957-03-04
       0
             Milwaukee, Wisconsin 2017-07-26
       1
       2 North Chicago, Illinois 1957-03-04
       3 North Chicago, Illinois 2012-12-31
                  Dublin, Ireland 2011-07-06
# Step #4: Format Date Fields
        # Description: Convert the 'Date_Added' column to datetime format for proper
        wiki_data['Date_Added'] = pd.to_datetime(wiki_data['Date_Added'], errors='cd
        print("Step #4: Converted 'Date Added' to datetime format")
        print(wiki_data[['Ticker', 'Date_Added']].head(), "\n")
       Step #4: Converted 'Date Added' to datetime format
         Ticker Date Added
            MMM 1957-03-04
       1 AOS 2017-07-26
       2 ABT 1957-03-04
       3 ABBV 2012-12-31
       4 ACN 2011-07-06
# Step #5: Clean and Trim Text Fields / Remove Missing Critical Data
        # Description: Trim extra whitespace in the 'Ticker' column, standardize it,
        wiki_data['Ticker'] = wiki_data['Ticker'].str.strip().str.upper()
        wiki data = wiki data.dropna(subset=['Ticker'])
        print("Step #5: Trimmed Ticker text and dropped rows with missing Ticker")
        print(wiki_data.head(), "\n")
       Step #5: Trimmed Ticker text and dropped rows with missing Ticker
                                                  Industry Sector \
         Ticker
                       Company Name
                                          Industrial Conglomerates
            MMM
       0
                                 3M
       1
            A0S
                        A. O. Smith
                                                 Building Products
                                             Health Care Equipment
       2
            ABT Abbott Laboratories
       3
         ABBV
                             Abbvie
                                                    Biotechnology
                          Accenture It Consulting & Other Services
       4 ACN
                        Industry Date Added
            Saint Paul, Minnesota 1957-03-04
       0
             Milwaukee, Wisconsin 2017-07-26
       1
       2 North Chicago, Illinois 1957-03-04
       3 North Chicago, Illinois 2012-12-31
       4
                  Dublin, Ireland 2011-07-06
```

```
Cleaned Website Dataset (Wikipedia) after all transformations:
                                Company Name
Industry Sector
                                                  Industry Date Added
  MMM
                                          3M
Industrial Conglomerates
                                              Saint Paul, Minnesota 1957-03
-04
                                 A. O. Smith
   A0S
Building Products
                                        Milwaukee, Wisconsin 2017-07-26
                         Abbott Laboratories
   ABT
                                         North Chicago, Illinois 1957-03-04
Health Care Equipment
  ABBV
                                      Abbvie
Biotechnology
                                 North Chicago, Illinois 2012-12-31
  ACN
                                   Accenture
                                                                      It Co
nsulting & Other Services
                                                     Dublin, Ireland 2011-0
7-06
  ADBE
                                  Adobe Inc.
Application Software
                                           San Jose, California 1997-05-05
  AMD
                      Advanced Micro Devices
                                  Santa Clara, California 2017-03-20
Semiconductors
  AES
                             Aes Corporation
                                                        Independent Power P
roducers & Energy Traders
                                                 Arlington, Virginia 1998-1
0-02
                                       Aflac
  AFL
Life & Health Insurance
                                                 Columbus, Georgia 1999-05-
                        Agilent Technologies
                                                                     Life
Sciences Tools & Services
                                             Santa Clara, California 2000-0
6-05
  APD
                               Air Products
Industrial Gases Upper Macungie Township, Pennsylvania 1985-04-30
 ABNB
                                      Airbnb
                                                                      Hotel
s, Resorts & Cruise Lines
                                           San Francisco, California 2023-0
9-18
                        Akamai Technologies
                                                                  Internet
Services & Infrastructure
                                            Cambridge, Massachusetts 2007-0
7-12
                       Albemarle Corporation
   ALB
Specialty Chemicals
                                     Charlotte, North Carolina 2016-07-01
  ARE
       Alexandria Real Estate Equities
                                   Pasadena, California 2017-03-20
Office Reits
 ALGN
                            Align Technology
Health Care Supplies
                                                 Tempe, Arizona 2017-06-19
                                    Allegion
                                             Dublin, Ireland 2013-12-02
Building Products
  LNT
                              Alliant Energy
Electric Utilities
                                           Madison, Wisconsin 2016-07-01
                                    Allstate
  ALL
erty & Casualty Insurance
                                                Northbrook, Illinois 1995-0
7-13
                     Alphabet Inc. (Class A)
G00GL
eractive Media & Services
                                           Mountain View, California 2014-0
4-03
  G00G
                    Alphabet Inc. (Class C)
eractive Media & Services
                                           Mountain View, California 2006-0
4-03
   M0
                                      Altria
```

```
Richmond, Virginia 1957-03-04
Tobacco
                                       Amazon
  AMZN
Broadline Retail
                                         Seattle, Washington 2005-11-18
                                                     Paper & Plastic Packa
  AMCR
ging Products & Materials
                                     Warmley, Bristol, United Kingdom 2019-0
6-07
  AEE
                                       Ameren
Multi-Utilities
                                        St. Louis, Missouri 1991-09-19
                     American Electric Power
   AEP
Electric Utilities
                                                Columbus, Ohio 1957-03-04
   AXP
                             American Express
Consumer Finance
                                     New York City, New York 1976-06-30
   ATG
                 American International Group
Multi-Line Insurance
                                         New York City, New York 1980-03-31
   AMT
                               American Tower
Telecom Tower Reits
                                          Boston, Massachusetts 2007-11-19
   AWK
                         American Water Works
Water Utilities
                                         Camden, New Jersey 2016-03-04
                         Ameriprise Financial
anagement & Custody Banks
                                               Minneapolis, Minnesota 2005-1
0-03
  AME
                                       Ametek
                                                                    Electric
al Components & Equipment
                                                 Berwyn, Pennsylvania 2013-0
  AMGN
                                        Amaen
                                Thousand Oaks, California 1992-01-02
Biotechnology
                                     Amphenol
   APH
Electronic Components
                                         Wallingford, Connecticut 2008-09-30
                               Analog Devices
  ADT
Semiconductors
                                 Wilmington, Massachusetts 1999-10-12
 ANSS
                                        Ansys
Application Software
                                        Canonsburg, Pennsylvania 2017-06-19
  AON
                                      Aon Plc
Insurance Brokers
                                       London, United Kingdom 1996-04-23
                              Apa Corporation
                                                                   Oil & Gas
Exploration & Production
                                                      Houston, Texas 1997-07
-28
                     Apollo Global Management
   AP0
                                                                     Asset M
anagement & Custody Banks
                                              New York City, New York 2024-1
2-23
 AAPI
                                   Apple Inc.
                                                           Technology Hardwa
                                                Cupertino, California 1982-1
re, Storage & Peripherals
1-30
                            Applied Materials
  AMAT
                                                                  Semiconduc
tor Materials & Equipment
                                              Santa Clara, California 1995-0
3-16
  APTV
                                        Aptiv
omotive Parts & Equipment
                                                      Dublin, Ireland 2012-1
2-24
 ACGL
                           Arch Capital Group
                                                                        Prop
erty & Casualty Insurance
                                                    Hamilton, Bermuda 2022-1
1-01
  ADM
                      Archer Daniels Midland
                                                                     Agricul
                                                    Chicago, Illinois 1957-0
tural Products & Services
3-04
  ANET
                              Arista Networks
```

```
Communications Equipment
                                             Santa Clara, California 2018-08
-28
   AJG
                    Arthur J. Gallagher & Co.
Insurance Brokers
                                    Rolling Meadows, Illinois 2016-05-31
  AT7
                                     Assurant
Multi-Line Insurance
                                                Atlanta, Georgia 2007-04-10
                                                                 Integrated T
                                         At&T
elecommunication Services
                                                         Dallas, Texas 1983-1
1-30
  AT0
                                 Atmos Energy
Gas Utilities
                                            Dallas, Texas 2019-02-15
  ADSK
                                     Autodesk
                                       San Francisco, California 1989-12-01
Application Software
                    Automatic Data Processing
                                                                 Human Resou
rce & Employment Services
                                                 Roseland, New Jersey 1981-0
3-31
  A70
                                     Autozone
Automotive Retail
                                           Memphis, Tennessee 1997-01-02
                        Avalonbay Communities
  AVB
                                                                       Multi
-Family Residential Reits
                                                  Arlington, Virginia 2007-0
1-10
  AVY
                               Avery Dennison
                                                       Paper & Plastic Packa
ging Products & Materials
                                                         Mentor, Ohio 1987-1
2-31
  AXON
                              Axon Enterprise
Aerospace & Defense
                                            Scottsdale, Arizona 2023-05-04
   BKR
                                 Baker Hughes
                                                                        0il &
Gas Equipment & Services
                                                      Houston, Texas 2017-07
-07
 BALL
                             Ball Corporation
                                                                     Metal, G
lass & Plastic Containers
                                                 Broomfield, Colorado 1984-1
0-31
   BAC
                              Bank Of America
Diversified Banks
                                    Charlotte, North Carolina 1976-06-30
   BAX
                         Baxter International
Health Care Equipment
                                              Deerfield, Illinois 1972-09-30
   BDX
                             Becton Dickinson
                                       Franklin Lakes, New Jersey 1972-09-30
Health Care Equipment
 BRK.B
                           Berkshire Hathaway
Multi-Sector Holdings
                                                  Omaha, Nebraska 2010-02-16
   BBY
                                     Best Buv
                                                                         Comp
                                                 Richfield, Minnesota 1999-0
uter & Electronics Retail
6-29
  TECH
                                   Bio-Techne
                                                                        Life
Sciences Tools & Services
                                               Minneapolis, Minnesota 2021-0
8-30
  BIIB
                                       Biogen
                                 Cambridge, Massachusetts 2003-11-13
Biotechnology
                                    Blackrock
                                                                      Asset M
anagement & Custody Banks
                                              New York City, New York 2011-0
4-04
                              Blackstone Inc.
                                                                      Asset M
anagement & Custody Banks
                                              New York City, New York 2023-0
9-18
                                   Bny Mellon
                                              New York City, New York 1995-0
anagement & Custody Banks
```

BA	Boeing
Aerospace & Defense BKNG	Arlington, Virginia 1957-03-04 Booking Holdings Hotel
s, Resorts & Cruise Lines	Norwalk, Connecticut 2009-1
1-06	, , , , , , , , , , , , , , , , , , , ,
BSX	Boston Scientific
Health Care Equipment	Marlborough, Massachusetts 1995-02-24
BMY	ristol Myers Squibb
Pharmaceuticals	New York City, New York 1957-03-04
AVG0	Broadcom
Semiconductors	Palo Alto, California 2014-05-08
_	Financial Solutions Data Process
ing & Outsourced Services	Lake Success, New York 2018-0
6–18	Dwarm C Dwarm
BRO Insurance Brokers	Brown & Brown
BF.B	Daytona Beach, Florida 2021-09-20 Brown-Forman
Distillers & Vintners	Louisville, Kentucky 1982–10–31
	Builders Firstsource
Building Products	Irving, Texas 2023-12-18
BG	Bunge Global Agricul
tural Products & Services	Chesterfield, Missouri 2023-0
3–15	•
BXP	Bxp, Inc.
Office Reits	Boston, Massachusetts 2006-04-03
CHRW	C.H. Robinson
Air Freight & Logistics	Eden Prairie, Minnesota 2007-03-
02	
	lence Design Systems
Application Software	San Jose, California 2017-09-18
Application Software CZR Ca	San Jose, California 2017-09-18 desars Entertainment
Application Software CZR Casinos & Gaming	San Jose, California 2017-09-18 nesars Entertainment Reno, Nevada 2021-03-22
Application Software CZR Casinos & Gaming CPT Ca	San Jose, California 2017-09-18 nesars Entertainment Reno, Nevada 2021-03-22 nmden Property Trust Multi
Application Software CZR Casinos & Gaming	San Jose, California 2017-09-18 nesars Entertainment Reno, Nevada 2021-03-22
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04	San Jose, California 2017-09-18 nesars Entertainment Reno, Nevada 2021-03-22 nmden Property Trust Multi
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Houston, Texas 2022-0
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb	San Jose, California 2017-09-18 nesars Entertainment Reno, Nevada 2021-03-22 nmden Property Trust Multi Houston, Texas 2022-0 neell'S Company (The)
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0 Capital One
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 dell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 dell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demoden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival Hotel
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL s, Resorts & Cruise Lines	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demoden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival Hotel
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL s, Resorts & Cruise Lines 2-22	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 deell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival Miami, Florida 1998-1
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL s, Resorts & Cruise Lines 2-22 CARR	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 dell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival Hotel Miami, Florida 1998-1  Carrier Global Palm Beach Gardens, Florida 2020-04-03 Caterpillar Inc. Construction Machinery & Heavy
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL s, Resorts & Cruise Lines 2-22 CARR Building Products CAT Transportation Equipment	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 defined Property Trust Multi Houston, Texas 2022-0 dell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival Hotel Miami, Florida 1998-1  Carrier Global Palm Beach Gardens, Florida 2020-04-03
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL s, Resorts & Cruise Lines 2-22 CARR Building Products CAT Transportation Equipment -04	San Jose, California 2017-09-18 desars Entertainment  Reno, Nevada 2021-03-22 demden Property Trust  Multi Houston, Texas 2022-0 dell'S Company (The)  Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health  Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival  Hotel Miami, Florida 1998-1  Carrier Global Palm Beach Gardens, Florida 2020-04-03 Caterpillar Inc. Construction Machinery & Heavy Irving, Texas 1957-03
Application Software CZR Casinos & Gaming CPT Ca -Family Residential Reits 4-04 CPB Campb Packaged Foods & Meats 4 COF Consumer Finance CAH Health Care Distributors -27 KMX Automotive Retail CCL s, Resorts & Cruise Lines 2-22 CARR Building Products CAT Transportation Equipment -04	San Jose, California 2017-09-18 desars Entertainment Reno, Nevada 2021-03-22 demden Property Trust Multi Houston, Texas 2022-0 dell'S Company (The) Camden, New Jersey 1957-03-0  Capital One Tysons Corner, Virginia 1998-07-01 Cardinal Health Dublin, Ohio 1997-05  Carmax Richmond, Virginia 2010-06-28 Carnival Hotel Miami, Florida 1998-1  Carrier Global Palm Beach Gardens, Florida 2020-04-03 Caterpillar Inc. Construction Machinery & Heavy

```
3-01
  CBRE
                                   Cbre Group
Real Estate Services
                                                   Dallas, Texas 2006-11-10
                              Cdw Corporation
   CDW
Technology Distributors
                                             Vernon Hills, Illinois 2019-09-
   COR
                                      Cencora
Health Care Distributors
                                          Conshohocken, Pennsylvania 2001-08
-30
   CNC
                          Centene Corporation
Managed Health Care
                                            St. Louis, Missouri 2016-03-30
   CNP
                           Centerpoint Energy
Multi-Utilities
                                             Houston, Texas 1985-07-31
   CF
                                Cf Industries
                                                                  Fertilizers
& Agricultural Chemicals
                                                 Deerfield, Illinois 2008-08
-27
                   Charles River Laboratories
Sciences Tools & Services
                                            Wilmington, Massachusetts 2021-0
5-14
  SCHW
                   Charles Schwab Corporation
                                                                        Inves
tment Banking & Brokerage
                                                      Westlake, Texas 1997-0
6-02
  CHTR
                       Charter Communications
Cable & Satellite
                                        Stamford, Connecticut 2016-09-08
   CVX
                          Chevron Corporation
Integrated Oil & Gas
                                           San Ramon, California 1957-03-04
                       Chipotle Mexican Grill
   CMG
Restaurants
                              Newport Beach, California 2011-04-28
                                Chubb Limited
   CB
                                                                         Prop
erty & Casualty Insurance
                                                  Zurich, Switzerland 2010-0
7-15
   CHD
                              Church & Dwight
Household Products
                                             Ewing, New Jersey 2015-12-29
   CT
                                        Cigna
Health Care Services
                                         Bloomfield, Connecticut 1976-06-30
                         Cincinnati Financial
                                                                         Prop
erty & Casualty Insurance
                                                       Fairfield, Ohio 1997-1
2-18
                                       Cintas
                                                                          Div
ersified Support Services
                                                           Mason, Ohio 2001-0
3-01
                                        Cisco
Communications Equipment
                                                San Jose, California 1993-12
-01
    C
                                    Citigroup
Diversified Banks
                                      New York City, New York 1988-05-31
   CFG
                     Citizens Financial Group
                                  Providence, Rhode Island 2016-01-29
Regional Banks
   CLX
                                       Clorox
Household Products
                                           Oakland, California 1969-03-31
   CMF
                                    Cme Group
inancial Exchanges & Data
                                                     Chicago, Illinois 2006-0
   CMS
                                   Cms Energy
Multi-Utilities
                                          Jackson, Michigan 1957-03-04
    K0
                      Coca-Cola Company (The)
                                                                 Soft Drinks
```

& Non-Alcoholic Beverages		Atlanta, Georgia 1957-0
3-04 CTSH	Cognizant	It Co
nsulting & Other Services	_	Teaneck, New Jersey 2006-1
1–17		redireck, New Sersey 2000 1
CL	Colgate-Palmolive	
Household Products	_	k City, New York 1957-03-04
CMCSA	Comcast	,,
Cable & Satellite	Philadelphi	a, Pennsylvania 2002–11–19
CAG	Conagra Brands	
Packaged Foods & Meats		Chicago, Illinois 1983-08-3
1		
COP	Conocophillips	0il & Gas
Exploration & Production		Houston, Texas 1957–03
-04		
ED Multi-Utilities	Consolidated Edison	situ Nou York 1057 02 04
	Constellation Brands	City, New York 1957-03-04
Distillers & Vintners		Rochester, New York 2005-07-01
	Constellation Energy	Rochester, New York 2005 07 01
Electric Utilities		timore, Maryland 2022-02-02
	oper Companies (The)	
Health Care Supplies		Ramon, California 2016-09-23
CPRT	Copart	Div
ersified Support Services		Dallas, Texas 2018-0
7–02		
GLW	Corning Inc.	
Electronic Components		Corning, New York 1995-02-27
CPAY	Corpay	Transaction & Pa
yment Processing Services 6-20		Atlanta, Georgia 2018–0
CTVA	Corteva	Fertilizers
& Agricultural Chemicals	Corteva	Indianapolis, Indiana 2019-06
-03		indianapotis, indiana 2015 00
CSGP	Costar Group	
Real Estate Services	'	Washington, D.C. 2022-09-19
COST	Costco	Consumer S
taples Merchandise Retail		Issaquah, Washington 1993-1
0-01		
CTRA	Coterra	Oil & Gas
Exploration & Production		Houston, Texas 2008–06
-23 CDUD	Consideration	
CRWD Systems Software	Crowdstrike	Austin, Texas 2024-06-24
CCI	Crown Castle	Austin, Texas 2024-00-24
Telecom Tower Reits	crown casete	Houston, Texas 2012-03-14
CSX	Csx Corporation	110d3 tolly Texas 2012 03 11
Rail Transportation		sonville, Florida 1957-03-04
CMI		Construction Machinery & Heavy
Transportation Equipment		Columbus, Indiana 1965-03
-31		
CVS	Cvs Health	
Health Care Services		ocket, Rhode Island 1957–03–04
DHR	Danaher Corporation	Life
Sciences Tools & Services		Washington, D.C. 1998-1
1–18		

DRI	Darden Restaurants
Restaurants	Orlando, Florida 1995-05-31
DVA	Davita
Health Care Services	Denver, Colorado 2008-07-31
DAY	Dayforce Human Resou
rce & Employment Services	Minneapolis, Minnesota 2021-0
9–20	·
DECK	Deckers Brands
Footwear	Goleta, California 2024-03-18
DE	Deere & Company Agri
cultural & Farm Machinery	Moline, Illinois 1957-0
3-04	
DELL	Dell Technologies Technology Hardwa
re, Storage & Peripherals	Round Rock, Texas 2024-0
9–23	Dalta Ain Linea
DAL	Delta Air Lines
Passenger Airlines DVN	Atlanta, Georgia 2013-09-11  Devon Energy Oil & Gas
Exploration & Production	Oklahoma City, Oklahoma 2000–08
-30	oktanoma city, oktanoma 2000 00
DXCM	Dexcom
Health Care Equipment	San Diego, California 2020-05-12
FANG	Diamondback Energy Oil & Gas
Exploration & Production	Midland, Texas 2018-12
-03	
DLR	Digital Realty
Data Center Reits	Austin, Texas 2016-05-18
DFS	Discover Financial
Consumer Finance	Riverwoods, Illinois 2007-07-02
DG	Dollar General Consumer S
DG taples Merchandise Retail	
DG taples Merchandise Retail 2-03	Dollar General Consumer S Goodlettsville, Tennessee 2012–1
DG taples Merchandise Retail 2-03 DLTR	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail	Dollar General Consumer S Goodlettsville, Tennessee 2012–1
DG taples Merchandise Retail 2-03 DLTR	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals DHI	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01 D. R. Horton
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals DHI Homebuilding	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01 D. R. Horton Arlington, Texas 2005-06-22
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals DHI Homebuilding DTE Multi-Utilities DUK	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01  D. R. Horton Arlington, Texas 2005-06-22 Dte Energy Detroit, Michigan 1957-03-04 Duke Energy
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals DHI Homebuilding DTE Multi-Utilities DUK Electric Utilities	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01  D. R. Horton Arlington, Texas 2005-06-22 Dte Energy Detroit, Michigan 1957-03-04  Duke Energy Charlotte, North Carolina 1976-06-30
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals DHI Homebuilding DTE Multi-Utilities DUK Electric Utilities DD	Dollar General Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01  D. R. Horton Arlington, Texas 2005-06-22 Dte Energy Detroit, Michigan 1957-03-04  Duke Energy Charlotte, North Carolina 1976-06-30 Dupont
DG taples Merchandise Retail 2-03 DLTR taples Merchandise Retail 2-19 D Multi-Utilities DPZ Restaurants DASH ialized Consumer Services 3-24 DOV y & Supplies & Components 0-31 DOW Commodity Chemicals DHI Homebuilding DTE Multi-Utilities DUK Electric Utilities DD Specialty Chemicals	Dollar General Consumer S Goodlettsville, Tennessee 2012-1  Dollar Tree Consumer S Chesapeake, Virginia 2011-1  Dominion Energy Richmond, Virginia 2016-11-30 Domino'S Ann Arbor, Michigan 2020-05-12 Doordash Spec San Francisco, California 2025-0  Dover Corporation Industrial Machiner Downers Grove, Illinois 1985-1  Dow Inc. Midland, Michigan 2019-04-01  D. R. Horton Arlington, Texas 2005-06-22 Dte Energy Detroit, Michigan 1957-03-04  Duke Energy Charlotte, North Carolina 1976-06-30

ETN	Kingsport, Tennessee 1994-01-01 Eaton Corporation Electric
al Components & Equipment	
3–04	bubtin, include 1997 o
EBAY	Ebay Inc.
Broadline Retail	San Jose, California 2002-07-22
ECL	Ecolab
Specialty Chemicals EIX	Saint Paul, Minnesota 1989-01-31 Edison International
Electric Utilities	Rosemead, California 1957-03-04
EW	Edwards Lifesciences
Health Care Equipment FA	Irvine, California 2011-04-01
active Home Entertainment	Electronic Arts Inter
7–22	Redwood City, California 2002-0
ELV	Elevance Health
Managed Health Care	Indianapolis, Indiana 2002–07–25
EMR	Emerson Electric Electric
al Components & Equipment	
3–31	1 erguson, 111550uri 1905-0
ENPH	Enphase Energy Semiconduc
tor Materials & Equipment	. 37
1–07	Tremone, cathornia 2021 0
ETR	Entergy
Electric Utilities	New Orleans, Louisiana 1957-03-04
EOG	Eog Resources 0il & Gas
Exploration & Production	Houston, Texas 2000-11
-02	,
EPAM	Epam Systems It Co
nsulting & Other Services	Newtown, Pennsylvania 2021-1
nsulting & Other Services 2–14	Newtown, Pennsylvania 2021–1
_	Newtown, Pennsylvania 2021-1  Eqt Corporation 0il & Gas
2–14	
2-14 EQT	Eqt Corporation 0il & Gas
2-14 EQT Exploration & Production	Eqt Corporation 0il & Gas
2-14 EQT Exploration & Production -03	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea
2-14 EQT Exploration & Production -03 EFX	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR	Eqt Corporation  Pittsburgh, Pennsylvania 2022-10  Equifax  Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential  Multi
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits	Eqt Corporation  Pittsburgh, Pennsylvania 2022-10  Equifax  Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential  Multi
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02	Eqt Corporation Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La	Eqt Corporation Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products	Eqt Corporation Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products 5	Eqt Corporation Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0  Buder Companies (The) New York City, New York 2006-01-0
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products 5 EG	Eqt Corporation Oil & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20  Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23  Essex Property Trust Multi San Mateo, California 2014-0  Buder Companies (The) New York City, New York 2006-01-0  Everest Group
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products 5 EG Reinsurance	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0  Auder Companies (The) New York City, New York 2006-01-0  Everest Group Hamilton, Bermuda 2017-06-19
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products 5 EG Reinsurance EVRG	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0  Auder Companies (The) New York City, New York 2006-01-0  Everest Group Hamilton, Bermuda 2017-06-19 Evergy
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products 5 EG Reinsurance EVRG Electric Utilities	Eqt Corporation Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0  euder Companies (The) New York City, New York 2006-01-0  Everest Group Hamilton, Bermuda 2017-06-19 Evergy Kansas City, Missouri 2018-06-05
2-14 EQT Exploration & Production -03 EFX rch & Consulting Services 6-19 EQIX Data Center Reits EQR -Family Residential Reits 2-03 ERIE Insurance Brokers ESS -Family Residential Reits 4-02 EL Estée La Personal Care Products 5 EG Reinsurance EVRG	Eqt Corporation 0il & Gas Pittsburgh, Pennsylvania 2022-10  Equifax Resea Atlanta, Georgia 1997-0  Equinix Redwood City, California 2015-03-20 Equity Residential Multi Chicago, Illinois 2001-1  Erie Indemnity Erie, Pennsylvania 2024-09-23 Essex Property Trust Multi San Mateo, California 2014-0  Auder Companies (The) New York City, New York 2006-01-0  Everest Group Hamilton, Bermuda 2017-06-19 Evergy

EXC	Exelon
Electric Utilities EXE	Chicago, Illinois 1957-03-04 Expand Energy 0il & Gas
Exploration & Production –24	Oklahoma City, Oklahoma 2025-03
EXPE s, Resorts & Cruise Lines	Expedia Group Hotel Seattle, Washington 2007-1
0-02	editors International
Air Freight & Logistics 10	Seattle, Washington 2007-10-
EXR Self-Storage Reits XOM	Extra Space Storage Salt Lake City, Utah 2016-01-19 Exxonmobil
Integrated Oil & Gas	Irving, Texas 1957-03-04
FFIV Communications Equipment -20	F5, Inc. Seattle, Washington 2010-12
FDS inancial Exchanges & Data	Factset F Norwalk, Connecticut 2021-1
2–20 FICO	Fair Isaac
Application Software FAST	Bozeman, Montana 2023-03-20 Fastenal Trading
Companies & Distributors -15	Winona, Minnesota 2008–09
FRT Federal Rea Retail Reits FDX	Rockville, Maryland 2016-02-01 Fedex
Air Freight & Logistics 31	Memphis, Tennessee 1980-12-
FIS Fidelity National yment Processing Services 1-10	
FITB Regional Banks	Fifth Third Bancorp Cincinnati, Ohio 1996-03-29
FSLR Semiconductors	First Solar Tempe, Arizona 2022–12–19
FE Electric Utilities	Firstenergy Akron, Ohio 1997–11–28
FI yment Processing Services	Fiserv Transaction & Pa Brookfield, Wisconsin 2001-0
4–02 F	Ford Motor Company
Automobile Manufacturers -04	Dearborn, Michigan 1957-03
FTNT Systems Software FTV	Fortinet Sunnyvale, California 2018–10–11 Fortive Industrial Machiner
y & Supplies & Components	
Broadcasting	Orporation (Class A)  New York City, New York 2019-03-19
FOX Fox C Broadcasting BEN	Orporation (Class B)  New York City, New York 2019-03-19  Franklin Resources  Asset M

anagement & Custody Banks	San Mateo, California 1998-0
4–30 FCX	Freeport-Mcmoran
Copper	Phoenix, Arizona 2011-07-01
GRMN	Garmin
Consumer Electronics	Schaffhausen, Switzerland 2012–12–12
IT	Gartner It Co
nsulting & Other Services	Stamford, Connecticut 2017-0
4-05	
GE	Ge Aerospace
Aerospace & Defense	Evendale, Ohio 1957-03-04
GEHC	Ge Healthcare
Health Care Equipment	Chicago, Illinois 2023-01-04
GEV	Ge Vernova H
eavy Electrical Equipment 4-02	Cambridge, Massachusetts 2024–0
GEN	Gen Digital
Systems Software	Tempe, Arizona 2003-03-25
GNRC	Generac Electric
al Components & Equipment	Waukesha, Wisconsin 2021-0
3–22	,
GD	General Dynamics
Aerospace & Defense	Falls Church, Virginia 1957-03-04
GIS	General Mills
Packaged Foods & Meats	Golden Valley, Minnesota 1957-03-0
4	
GM	General Motors
Automobile Manufacturers	Detroit, Michigan 2013-06
-06	
CDC	wine Barte Company
	uine Parts Company
Distributors	Atlanta, Georgia 1973-12-31
Distributors GILD	Atlanta, Georgia 1973-12-31 Gilead Sciences
Distributors	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01
Distributors GILD Biotechnology	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa
Distributors GILD Biotechnology GPN	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0 Globe Life
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs Inves
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton Oil &
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton Oil &
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services -04	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton Oil & Houston, Texas 1957-03
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services -04 HIG erty & Casualty Insurance 3-04	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton Oil & Houston, Texas 1957-03  Hartford (The) Prop Hartford, Connecticut 1957-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services -04 HIG erty & Casualty Insurance 3-04 HAS	Atlanta, Georgia 1973-12-31 Gilead Sciences Foster City, California 2004-07-01 Global Payments Transaction & Pa Atlanta, Georgia 2016-0  Globe Life Mckinney, Texas 1989-04-  Godaddy Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton Oil & Houston, Texas 1957-03  Hartford (The) Prop Hartford, Connecticut 1957-0
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services -04 HIG erty & Casualty Insurance 3-04 HAS Leisure Products	Atlanta, Georgia 1973-12-31  Gilead Sciences Foster City, California 2004-07-01 Global Payments  Transaction & Pa Atlanta, Georgia 2016-0  Globe Life  Mckinney, Texas 1989-04-  Godaddy  Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton  Oil & Houston, Texas 1957-03  Hartford (The)  Prop Hartford, Connecticut 1957-0  Hasbro Pawtucket, Rhode Island 1984-09-30
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services -04 HIG erty & Casualty Insurance 3-04 HAS Leisure Products HCA	Atlanta, Georgia 1973–12–31  Gilead Sciences Foster City, California 2004–07–01  Global Payments  Transaction & Pa Atlanta, Georgia 2016–0  Globe Life  Mckinney, Texas 1989–04–  Godaddy  Internet Tempe, Arizona 2024–0  Goldman Sachs  New York City, New York 2002–0  Halliburton  Oil & Houston, Texas 1957–03  Hartford (The)  Prop Hartford, Connecticut 1957–0  Hasbro Pawtucket, Rhode Island 1984–09–30 Hca Healthcare
Distributors GILD Biotechnology GPN yment Processing Services 4-25 GL Life & Health Insurance 30 GDDY Services & Infrastructure 6-24 GS tment Banking & Brokerage 7-22 HAL Gas Equipment & Services -04 HIG erty & Casualty Insurance 3-04 HAS Leisure Products	Atlanta, Georgia 1973-12-31  Gilead Sciences Foster City, California 2004-07-01 Global Payments  Transaction & Pa Atlanta, Georgia 2016-0  Globe Life  Mckinney, Texas 1989-04-  Godaddy  Internet Tempe, Arizona 2024-0  Goldman Sachs New York City, New York 2002-0  Halliburton  Oil & Houston, Texas 1957-03  Hartford (The)  Prop Hartford, Connecticut 1957-0  Hasbro Pawtucket, Rhode Island 1984-09-30

```
D0C
                        Healthpeak Properties
                                             Denver, Colorado 2008-03-31
Health Care Reits
                                 Henry Schein
  HSIC
Health Care Distributors
                                                  Melville, New York 2015-03
-17
   HSY
                        Hershey Company (The)
Packaged Foods & Meats
                                             Hershey, Pennsylvania 1957-03-0
   HES
                             Hess Corporation
                                         New York City, New York 1984-05-31
Integrated Oil & Gas
                   Hewlett Packard Enterprise
                                                            Technology Hardwa
                                                        Houston, Texas 2015-1
re, Storage & Peripherals
1-02
                             Hilton Worldwide
  HLT
s, Resorts & Cruise Lines
                                              Tysons Corner, Virginia 2017-0
6 - 19
 H0LX
                                      Hologic
Health Care Equipment
                                       Marlborough, Massachusetts 2016-03-30
                             Home Depot (The)
Home Improvement Retail
                                                   Atlanta, Georgia 1988-03-
31
  HON
                                    Honeywell
Industrial Conglomerates
                                           Charlotte, North Carolina 1957-03
  HRL
                                 Hormel Foods
Packaged Foods & Meats
                                                 Austin, Minnesota 2009-03-0
                        Host Hotels & Resorts
   HST
Hotel & Resort Reits
                                              Bethesda, Maryland 2007-03-20
                             Howmet Aerospace
Aerospace & Defense
                                       Pittsburgh, Pennsylvania 2016-10-21
                                                            Technology Hardwa
  HP0
                                      Hp Inc.
re, Storage & Peripherals
                                                Palo Alto, California 1974-1
2-31
 HUBB
                         Hubbell Incorporated
                                                          Industrial Machiner
y & Supplies & Components
                                                 Shelton, Connecticut 2023-1
0 - 18
                                       Humana
  HUM
Managed Health Care
                                           Louisville, Kentucky 2012-12-10
  HBAN
                        Huntington Bancshares
                         Columbus, Ohio; Detroit, Michigan 1997-08-28
Regional Banks
                Huntington Ingalls Industries
   HII
Aerospace & Defense
                                         Newport News, Virginia 2018-01-03
                                          Ibm
                                                                        It Co
                                                     Armonk, New York 1957-0
nsulting & Other Services
3-04
                             Idex Corporation
                                                          Industrial Machiner
   IEX
y & Supplies & Components
                                                Lake Forest, Illinois 2019-0
8-09
  IDXX
                           Idexx Laboratories
                                                 Westbrook, Maine 2017-01-05
Health Care Equipment
                          Illinois Tool Works
                                                          Industrial Machiner
y & Supplies & Components
                                                    Glenview, Illinois 1986-0
2-28
  INCY
                                     Wilmington, Delaware 2017-02-28
Biotechnology
```

IR	Ingersoll Rand Industrial Machiner
y & Supplies & Components	Davidson, North Carolina 2020-0
3–03	, , , , , , , , , , , , , , , , , , , ,
PODD	Insulet Corporation
Health Care Equipment	Acton, Massachusetts 2023-03-15
INTC	Intel
Semiconductors	Santa Clara, California 1976-12-31
	continental Exchange F
inancial Exchanges & Data	Atlanta, Georgia 2007-0
9–26	, ,
IFF International F	Flavors & Fragrances
Specialty Chemicals	New York City, New York 1976-03-31
IP	International Paper Paper & Plastic Packa
ging Products & Materials	Memphis, Tennessee 1957-0
3-04	
IPG Interpublic Group	o Of Companies (The)
Advertising	New York City, New York 1992-10-01
INTU	Intuit
Application Software	Mountain View, California 2000–12–05
ISRG	Intuitive Surgical
Health Care Equipment	Sunnyvale, California 2008-06-02
IVZ	Invesco Asset M
anagement & Custody Banks	Atlanta, Georgia 2008-0
8–21	
INVH	Invitation Homes Single
-Family Residential Reits	Dallas, Texas 2022-0
9–19	
IQV	Iqvia Life
Sciences Tools & Services	Durham, North Carolina 2017-0
8–29	
TDM	
IRM	Iron Mountain
Other Specialized Reits	Iron Mountain Boston, Massachusetts 2009–01–
Other Specialized Reits 06	Boston, Massachusetts 2009–01–
Other Specialized Reits 06 JBHT	Boston, Massachusetts 2009-01-  J.B. Hunt Ca
Other Specialized Reits 06 JBHT rgo Ground Transportation	Boston, Massachusetts 2009–01–
Other Specialized Reits 06 JBHT rgo Ground Transportation 7-01	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0
Other Specialized Reits 06 JBHT rgo Ground Transportation 7-01 JBL	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil Electron
Other Specialized Reits 06 JBHT rgo Ground Transportation 7-01 JBL ic Manufacturing Services	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0
Other Specialized Reits 06    JBHT rgo Ground Transportation 7-01    JBL ic Manufacturing Services 2-18	Boston, Massachusetts 2009-01-  J.B. Hunt  Ca  Lowell, Arkansas 2015-0  Jabil  Electron  St. Petersburg, Florida 2023-1
Other Specialized Reits  06    JBHT    rgo Ground Transportation 7-01     JBL    ic Manufacturing Services 2-18    JKHY    Jack	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa
Other Specialized Reits 06    JBHT rgo Ground Transportation 7-01    JBL ic Manufacturing Services 2-18    JKHY Jack yment Processing Services	Boston, Massachusetts 2009-01-  J.B. Hunt  Ca  Lowell, Arkansas 2015-0  Jabil  Electron  St. Petersburg, Florida 2023-1
Other Specialized Reits 06    JBHT rgo Ground Transportation 7-01    JBL ic Manufacturing Services 2-18    JKHY Jack yment Processing Services 1-13	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil Electron St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1
Other Specialized Reits 06  JBHT rgo Ground Transportation 7-01  JBL ic Manufacturing Services 2-18  JKHY Jack yment Processing Services 1-13  J	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions C
Other Specialized Reits  06    JBHT    rgo Ground Transportation 7-01     JBL    ic Manufacturing Services 2-18    JKHY Jack    yment Processing Services 1-13    J    onstruction & Engineering	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil Electron St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1
Other Specialized Reits  06    JBHT rgo Ground Transportation 7-01    JBL ic Manufacturing Services 2-18    JKHY Jack yment Processing Services 1-13    J onstruction & Engineering 0-26	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions C Dallas, Texas 2007-1
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack     yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ	Boston, Massachusetts 2009-01-  J.B. Hunt  Ca Lowell, Arkansas 2015-0  Jabil  St. Petersburg, Florida 2023-1  K Henry & Associates  Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions  C Dallas, Texas 2007-1
Other Specialized Reits  06    JBHT rgo Ground Transportation 7-01    JBL ic Manufacturing Services 2-18    JKHY Jack yment Processing Services 1-13    J onstruction & Engineering 0-26    JNJ Pharmaceuticals	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil Electron St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30
Other Specialized Reits  06  JBHT  rgo Ground Transportation 7-01  JBL  ic Manufacturing Services 2-18  JKHY  Jack yment Processing Services 1-13  J  onstruction & Engineering 0-26  JNJ  Pharmaceuticals  JCI	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30 Johnson Controls
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ Pharmaceuticals     JCI Building Products	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30 Johnson Controls Cork, Ireland 2010-08-27
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack     yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ Pharmaceuticals     JCI Building Products     JPM	Boston, Massachusetts 2009-01-  J.B. Hunt Ca Lowell, Arkansas 2015-0  Jabil Electron St. Petersburg, Florida 2023-1  K Henry & Associates Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30 Johnson Controls Cork, Ireland 2010-08-27 Jpmorgan Chase
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ Pharmaceuticals     JCI Building Products     JPM Diversified Banks	J.B. Hunt  Ca Lowell, Arkansas 2015-0  Jabil  St. Petersburg, Florida 2023-1  CHenry & Associates  Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions  C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30  Johnson Controls  Cork, Ireland 2010-08-27  Jpmorgan Chase New York City, New York 1975-06-30
Other Specialized Reits  06    JBHT    rgo Ground Transportation 7-01    JBL    ic Manufacturing Services 2-18    JKHY Jack   yment Processing Services 1-13    J    onstruction & Engineering 0-26    JNJ Pharmaceuticals    JCI Building Products    JPM Diversified Banks   JNPR	J.B. Hunt  Ca Lowell, Arkansas 2015-0  Jabil  St. Petersburg, Florida 2023-1  K Henry & Associates  Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions  C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30 Johnson Controls  Cork, Ireland 2010-08-27  Jpmorgan Chase New York City, New York 1975-06-30 Juniper Networks
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ Pharmaceuticals     JCI Building Products     JPM Diversified Banks     JNPR Communications Equipment	J.B. Hunt  Ca Lowell, Arkansas 2015-0  Jabil  St. Petersburg, Florida 2023-1  CHenry & Associates  Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions  C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30  Johnson Controls  Cork, Ireland 2010-08-27  Jpmorgan Chase New York City, New York 1975-06-30
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack     yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ Pharmaceuticals     JCI Building Products     JPM Diversified Banks     JNPR Communications Equipment -02	J.B. Hunt  Ca Lowell, Arkansas 2015-0  Jabil  Flectron St. Petersburg, Florida 2023-1  K Henry & Associates  Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions  C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30 Johnson Controls  Cork, Ireland 2010-08-27 Jpmorgan Chase New York City, New York 1975-06-30 Juniper Networks  Sunnyvale, California 2006-06
Other Specialized Reits  06     JBHT     rgo Ground Transportation 7-01     JBL     ic Manufacturing Services 2-18     JKHY Jack yment Processing Services 1-13     J     onstruction & Engineering 0-26     JNJ Pharmaceuticals     JCI Building Products     JPM Diversified Banks     JNPR Communications Equipment	J.B. Hunt  Ca Lowell, Arkansas 2015-0  Jabil  St. Petersburg, Florida 2023-1  K Henry & Associates  Transaction & Pa Monett, Missouri 2018-1  Jacobs Solutions  C Dallas, Texas 2007-1  Johnson & Johnson New Brunswick, New Jersey 1973-06-30 Johnson Controls  Cork, Ireland 2010-08-27  Jpmorgan Chase New York City, New York 1975-06-30 Juniper Networks

```
KVUE
                                       Kenvue
Personal Care Products
                                              Skillman, New Jersey 2023-08-2
                             Keurig Dr Pepper
                                                                 Soft Drinks
   KDP
                                            Burlington, Massachusetts 2022-0
& Non-Alcoholic Beverages
   KEY
                                      Keycorp
                                           Cleveland, Ohio 1994-03-01
Regional Banks
 KEYS
                        Keysight Technologies
                                                                   Electroni
c Equipment & Instruments
                                               Santa Rosa, California 2018-1
                               Kimberly-Clark
   KMB
Household Products
                                                 Irving, Texas 1957-03-04
  KTM
                                 Kimco Realty
Retail Reits
                                       Jericho, New York 2006-04-04
   KMT
                                Kinder Morgan
                                                                    Oil & Gas
Storage & Transportation
                                                      Houston, Texas 2012-05
   KKR
                                    Kkr & Co.
                                                                     Asset M
anagement & Custody Banks
                                              New York City, New York 2024-0
6-24
                              Kla Corporation
                                                                   Semiconduc
  KL AC
tor Materials & Equipment
                                                 Milpitas, California 1997-0
9-30
                                  Kraft Heinz
   KHC
Packaged Foods & Meats Chicago, Illinois; Pittsburgh, Pennsylvania 2015-07-0
    KR
                                       Kroger
Food Retail
                                       Cincinnati, Ohio 1957-03-04
                                     L3Harris
  LHX
Aerospace & Defense
                                             Melbourne, Florida 2008-09-22
    LH
                                      Labcorp
Health Care Services
                                      Burlington, North Carolina 2004-11-01
  LRCX
                                 Lam Research
                                                                  Semiconduc
tor Materials & Equipment
                                                  Fremont, California 2012-0
6-29
    I W
                                  Lamb Weston
Packaged Foods & Meats
                                                      Eagle, Idaho 2018-12-0
  LVS
                              Las Vegas Sands
Casinos & Gaming
                                           Las Vegas, Nevada 2019-10-03
 LD0S
                                                                          Div
ersified Support Services
                                                     Reston, Virginia 2019-0
8-09
   LEN
                                       Lennar
Homebuilding
                                          Miami, Florida 2005-10-04
  LII
                         Lennox International
Building Products
                                            Richardson, Texas 2024-12-23
  LLY
                                  Lilly (Eli)
Pharmaceuticals
                                      Indianapolis, Indiana 1970-12-31
                                    Linde Plc
   LTN
Industrial Gases
                                   Guildford, United Kingdom 1992-07-01
  LYV
                    Live Nation Entertainment
Movies & Entertainment
                                         Beverly Hills, California 2019-12-2
3
```

```
LK0
                              Lkg Corporation
Distributors
                                       Chicago, Illinois 2016-05-23
  LMT
                              Lockheed Martin
Aerospace & Defense
                                             Bethesda, Maryland 1957-03-04
                            Loews Corporation
Multi-Line Insurance
                                        New York City, New York 1995-05-31
Home Improvement Retail
                                        Mooresville, North Carolina 1984-02-
29
 LULU
                          Lululemon Athletica
                                                                  Apparel, A
ccessories & Luxury Goods
                                                    Vancouver, Canada 2023-1
0 - 18
                              Lyondellbasell
  LYB
Specialty Chemicals
                                         Rotterdam, Netherlands 2012-09-05
  MTB
                                     M&T Bank
Regional Banks
                                         Buffalo, New York 2004-02-23
  MPC
                          Marathon Petroleum
                                                                       0il &
Gas Refining & Marketing
                                                       Findlay, Ohio 2011-07
                                                                           F
 MKTX
                                  Marketaxess
                                             New York City, New York 2019-0
inancial Exchanges & Data
7-01
                      Marriott International
  MAR
                                                                       Hotel
s, Resorts & Cruise Lines
                                                   Bethesda, Maryland 1998-0
5-29
  MMC
                              Marsh Mclennan
                                     New York City, New York 1987-08-31
Insurance Brokers
  MLM
                   Martin Marietta Materials
Construction Materials
                                          Raleigh, North Carolina 2014-07-0
  MAS
                                       Masco
Building Products
                                            Livonia, Michigan 1981-06-30
                                   Mastercard
                                                            Transaction & Pa
yment Processing Services
                                                   Harrison, New York 2008-0
7-18
 MTCH
                                  Match Group
                                                                         Int
eractive Media & Services
                                                        Dallas, Texas 2021-0
9-20
  MKC
                          Mccormick & Company
                                            Hunt Valley, Maryland 2003-03-2
Packaged Foods & Meats
  MCD
                                   Mcdonald'S
                                      Chicago, Illinois 1970-06-30
Restaurants
  MCK
                        Mckesson Corporation
Health Care Distributors
                                                       Irving, Texas 1999-01
-13
  MDT
                                   Medtronic
Health Care Equipment
                                                  Dublin, Ireland 1986-10-31
  MRK
                                  Merck & Co.
Pharmaceuticals
                                     Kenilworth, New Jersey 1957-03-04
                              Meta Platforms
 MFTA
                                                                         Int
eractive Media & Services
                                               Menlo Park, California 2013-1
  MET
                                      Metlife
Life & Health Insurance
                                           New York City, New York 2000-12-
```

11

MTD Mettler Toledo Life Sciences Tools & Services Columbus, Ohio 2016-0 9-06 MGM Mgm Resorts Paradise, Nevada 2017-07-26 Casinos & Gaming **MCHP** Microchip Technology Chandler, Arizona 2007-09-07 Semiconductors MU Micron Technology Semiconductors Boise, Idaho 1994-09-27 MSFT Microsoft Systems Software Redmond, Washington 1994-06-01 Mid-America Apartment Communities -Family Residential Reits Memphis, Tennessee 2016-1 2-02 MRNA Moderna Biotechnology Cambridge, Massachusetts 2021-07-21 MHK Mohawk Industries Home Furnishings Calhoun, Georgia 2013-12-23 MOH Molina Healthcare Managed Health Care Long Beach, California 2022-03-02 TAP Molson Coors Beverage Company Chicago, Illinois 1976-06-30 Brewers MDL 7 Mondelez International Packaged Foods & Meats Chicago, Illinois 2012-10-0 MPWR Monolithic Power Systems Kirkland, Washington 2021-02-12 Semiconductors **MNST** Monster Beverage Soft Drinks & Non-Alcoholic Beverages Corona, California 2012-0 6-28 Moody'S Corporation New York City, New York 1998-0 inancial Exchanges & Data 7-01 Morgan Stanley Inves tment Banking & Brokerage New York City, New York 1993-0 7-29 Mosaic Company (The) Fertilizers & Agricultural Chemicals Tampa, Florida 2011-09 -26 MSI Motorola Solutions Communications Equipment Chicago, Illinois 1957-03 -04 Msci Inc. MSCI New York City, New York 2018-0 inancial Exchanges & Data 4-04 **NDAQ** Nasdaq, Inc. inancial Exchanges & Data New York City, New York 2008-1 0 - 22Technology Hardwa NTAP Netapp re, Storage & Peripherals San Jose, California 1999-0 6-25 NFLX Netflix Movies & Entertainment Los Gatos, California 2010-12-2 NEM Newmont

Denver, Colorado 1969-06-30

Gold

```
NWSA
                          News Corp (Class A)
Publishing
                               New York City, New York 2013-08-01
  NWS
                          News Corp (Class B)
                               New York City, New York 2015-09-18
Publishing
                               Nextera Energy
  NEE
                                        Juno Beach, Florida 1976-06-30
Multi-Utilities
  NKF
                                   Nike, Inc.
                                                                  Apparel, A
                                            Washington County, Oregon 1988-1
ccessories & Luxury Goods
1-30
   NT
                                     Nisource
                                      Merrillville, Indiana 2000-11-02
Multi-Utilities
 NDSN
                          Nordson Corporation
                                                         Industrial Machiner
y & Supplies & Components
                                                       Westlake, Ohio 2022-0
2-15
  NSC
                             Norfolk Southern
Rail Transportation
                                               Atlanta, Georgia 1957-03-04
                               Northern Trust
 NTRS
                                                                     Asset M
anagement & Custody Banks
                                                    Chicago, Illinois 1998-0
1 - 30
                             Northrop Grumman
  NOC.
Aerospace & Defense
                                    West Falls Church, Virginia 1957-03-04
              Norwegian Cruise Line Holdings
 NCLH
s, Resorts & Cruise Lines
                                                       Miami, Florida 2017-1
0-13
                                                         Independent Power P
  NRG
                                   Nrg Energy
                                                       Houston, Texas 2010-0
roducers & Energy Traders
1-29
  NUE
                                        Nucor
Steel
                        Charlotte, North Carolina 1985-04-30
 NVDA
                                       Nvidia
Semiconductors
                                   Santa Clara, California 2001-11-30
  NVR
                                    Nvr, Inc.
Homebuilding
                                        Reston, Virginia 2019-09-26
 NXPT
                           Nxp Semiconductors
                                    Eindhoven, Netherlands 2021-03-22
Semiconductors
  0RLY
                          O'Reilly Automotive
                                        Springfield, Missouri 2009-03-27
Automotive Retail
   0XY
                         Occidental Petroleum
                                                                   Oil & Gas
                                                      Houston, Texas 1957-03
Exploration & Production
-04
  ODFL
                                 Old Dominion
                                                                          Ca
rgo Ground Transportation
                                          Thomasville, North Carolina 2019-1
2-09
   OMC
                                Omnicom Group
                                New York City, New York 1997-12-31
Advertising
                             On Semiconductor
   ON
Semiconductors
                                          Phoenix, Arizona 2022-06-21
                                                                   Oil & Gas
   0KF
Storage & Transportation
                                                     Tulsa, Oklahoma 2010-03
-15
  0RCL
                           Oracle Corporation
Application Software
                                                   Austin, Texas 1989-08-31
                               Otis Worldwide
                                                         Industrial Machiner
                                              Farmington, Connecticut 2020-0
y & Supplies & Components
4-03
  PCAR
                                       Paccar Construction Machinery & Heavy
```

```
Transportation Equipment
                                                Bellevue, Washington 1980-12
-31
   PKG
             Packaging Corporation Of America
                                                        Paper & Plastic Packa
ging Products & Materials
                                                Lake Forest, Illinois 2017-0
7-26
  PLTR
                        Palantir Technologies
                                                Denver, Colorado 2024-09-23
Application Software
  PANW
                           Palo Alto Networks
Systems Software
                                     Santa Clara, California 2023-06-20
  PARA
                             Paramount Global
Movies & Entertainment
                                           New York City, New York 1994-09-3
                              Parker Hannifin
                                                          Industrial Machiner
    PH
y & Supplies & Components
                                                       Cleveland, Ohio 1985-1
1-30
  PAYX
                                      Paychex
                                                                  Human Resou
rce & Employment Services
                                                    Penfield, New York 1998-1
0-01
  PAYC
                                       Pavcom
                                                                  Human Resou
                                              Oklahoma City, Oklahoma 2020-0
rce & Employment Services
1-28
 PYPL
                                       Paypal
                                                             Transaction & Pa
yment Processing Services
                                                 San Jose, California 2015-0
7-20
                                                          Industrial Machiner
   PNR
                                      Pentair
y & Supplies & Components
                                              Worsley, United Kingdom 2012-1
0-01
   PEP
                                      Pepsico
                                                                 Soft Drinks
& Non-Alcoholic Beverages
                                                    Purchase, New York 1957-0
3-04
   PFE
                                       Pfizer
                                    New York City, New York 1957-03-04
Pharmaceuticals
   PCG
                             Pg&E Corporation
Multi-Utilities
                                        Oakland, California 2022-10-03
    PM
                  Philip Morris International
Tobacco
                            New York City, New York 2008-03-31
                                  Phillips 66
   PSX
                                                                        0il &
Gas Refining & Marketing
                                                       Houston, Texas 2012-05
-01
   PNW
                        Pinnacle West Capital
Multi-Utilities
                                           Phoenix, Arizona 1999-10-04
                       Pnc Financial Services
   PNC
Diversified Banks
                                     Pittsburgh, Pennsylvania 1988-04-30
  P00L
                             Pool Corporation
Distributors
                                    Covington, Louisiana 2020-10-07
   PPG
                               Ppg Industries
Specialty Chemicals
                                       Pittsburgh, Pennsylvania 1957-03-04
                              Ppl Corporation
   PPL
                                       Allentown, Pennsylvania 2001-10-01
Electric Utilities
   PFG
                    Principal Financial Group
Life & Health Insurance
                                                   Des Moines, Iowa 2002-07-
22
    PG
                             Procter & Gamble
Personal Care Products
                                                  Cincinnati, Ohio 1957-03-0
   PGR
                      Progressive Corporation
                                                                         Prop
```

```
erty & Casualty Insurance
                                                Mayfield Village, Ohio 1997-0
8-04
   PLD
                                      Prologis
Industrial Reits
                                   San Francisco, California 2003-07-17
   PRU
                         Prudential Financial
Life & Health Insurance
                                                  Newark, New Jersey 2002-07-
   PEG
              Public Service Enterprise Group
Electric Utilities
                                             Newark, New Jersey 1957-03-04
   PTC
                                      Ptc Inc.
Application Software
                                            Boston, Massachusetts 2021-04-20
                               Public Storage
                                           Glendale, California 2005-08-19
Self-Storage Reits
                                   Pultegroup
   PHM
Homebuilding
                                         Atlanta, Georgia 1984-04-30
                              Quanta Services
   PWR
                                                                            C
onstruction & Engineering
                                                        Houston, Texas 2009-0
7-01
  000M
                                      Oualcomm
Semiconductors
                                      San Diego, California 1999-07-22
   DGX
                            Quest Diagnostics
Health Care Services
                                             Secaucus, New Jersey 2002-12-12
                     Ralph Lauren Corporation
                                                                   Apparel, A
ccessories & Luxury Goods
                                              New York City, New York 2007-0
2-02
                      Raymond James Financial
   RJF
                                                                        Inves
tment Banking & Brokerage
                                               St. Petersburg, Florida 2017-0
3-20
                              Rtx Corporation
   RTX
                                          Waltham, Massachusetts 1957-03-04
Aerospace & Defense
    0
                                Realty Income
Retail Reits
                                   San Diego, California 2015-04-07
   RFG
                              Regency Centers
Retail Reits
                                   Jacksonville, Florida 2017-03-02
  REGN
                    Regeneron Pharmaceuticals
Biotechnology
                                       Tarrytown, New York 2013-05-01
                Regions Financial Corporation
    RF
Regional Banks
                                        Birmingham, Alabama 1998-08-28
   RSG
                            Republic Services
                                                                   Environmen
tal & Facilities Services
                                                      Phoenix, Arizona 2008-1
2-05
                                        Resmed
Health Care Equipment
                                             San Diego, California 2017-07-26
  RVTY
                                       Revvity
Health Care Equipment
                                            Waltham, Massachusetts 1985-05-31
                          Rockwell Automation
                                                                     Electric
al Components & Equipment
                                                  Milwaukee, Wisconsin 2000-0
3-12
                                Rollins, Inc.
   R0L
                                                                   Environmen
tal & Facilities Services
                                                      Atlanta, Georgia 2018-1
0-01
                           Roper Technologies
                                                                    Electroni
c Equipment & Instruments
                                                     Sarasota, Florida 2009-1
2-23
  R0ST
                                  Ross Stores
Apparel Retail
                                        Dublin, California 2009-12-21
```

SPGI Service Lines 20-15 SPGI SSPGI SERVINE LINE 20-15 SPGI SPGI SSP Global Innancial Exchanges & Data 3-04 CRM Salesforce Application Software SBAC Sha Communications Telecom Tower Reits SLB Schumberger Gil & Schlumberger Gil & Gas Equipment & Services -04 STX Seagate Technology Technology Hardwa 7-02 SRE SER Sempra Multi-Utilities SPG Servicenow Servicenow Systems Software SHW Shew Solutions Specialty Chemicals SPG Simon Property Group Retail Reits SWKS Skyworks Solutions Semiconductors SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Supplies & Components 9-30 SOLV Solutions Solu Southern Company Electric Utilities LUV Southwest Airlines Swenger Airlines SSW Southwest Airlines SSW Supplies & Components 9-30 SSUX Satablex Stanley Black & Decker y & Supplies & Components 9-30 SSUX Satablex Stanley Black & Decker Stanley Black &	RCL RC s, Resorts & Cruise Lines	yal Caribbean Group	Hotel Miami, Florida 2014–1
Annacial Exchanges & Data 3-04 CRM Application Software SBAC SBAC San Francisco, California 2008-09-15 SbaC San Francisco, California 2017-09-01 Scalidadio Schlumberger Schlumberger Houston, Texas 1957-03 Houston, Texas 1957-03 Houston, Texas 1957-03 San Diego, California 2017-03-17 Servicenow Systems Software ShW San Diego, California 2017-03-17 Servicenow Systems Software ShW Santa Clara, California 2017-03-17 Servicenow Systems Software ShW Santa Clara, California 2019-11-21 Sherwin-Williams Specialty Chemicals Specialty	-		ritamii, i toriua 2014—1
3-04 CRM Salesforce Application Software SBAC Shac California 2008-09-15 SLB SCB Schumberger STX Schumberger Oil & Seagate Technology February STX Seagate Technology Sear Dublin, Ireland 2012-09 SRE SEMULTI-Utilities SHW Secialty Chemicals SPG Skyworks Software SHW Secialty Chemicals SWK Supplies & Components 9-30 SNA Supplies & Components 9-30 SSUV Southern Company Electric Utilities LUV Southwest Airlines SWK Stanley Black & Decker SWK Stanley Black & Decker Stanley Black & D		S&P Global	
CRM Application Software SBAC SBAC Telecom Tower Reits SLB SUB SEQUIPMENT & Services -04 STX Starbing & Sengate Technology re, Storage & Peripherals 7-02 SRE SUB	_		New York City, New York 1957-0
Application Software SBAC San Francisco, California 2008-09-15 SBAC Communications  Telecom Tower Reits SLB Schumberger Oil & Gas Equipment & Services -04  STX Storage & Peripherals 7-02  SRE SRE SAN Diego, California 2017-09-01 Servicenow Systems Software SHW Specialty Chemicals SPG Semiconductors SJM J.M. Smucker Company (The) Packaged Foods & Meats 6  SWKS Swiss Materials 7-08  SNA Supplies & Components 9-30  SOLV Supplies & Components 9-30  SOLV Southern Company Electric Utilities LUV Sessinger Airlines SWK Stanley Black & Decker J Midster LUV Sessinger Airlines SWK Stanley Black & Decker SWK Sessinger Airlines SWK Stanley Black & Decker STLD STED STEL STEL STEL STEL STEL STEL STEL STEL		Salosforco	
Telecom Tower Reits SLB Schlumberger Oil & Gas Equipment & Services -04 STX Fe, Storage & Peripherals SNB SNB SNB Sommunications STX Seagate Technology Fe, Storage & Peripherals SNB Sommunications SNB SNB SEE Seagate Technology Servicenow Systems Software SHW Specialty Chemicals SPG SSMS SPG SIMON Property Group Retail Reits SJM SJM J.M. Smucker Company Servicenow Systems Software SJM SSMS Semiconductors SJM SSMS Semiconductors SJM SSMS Semiconductors SJM SSMS Sommon Property Group Retail Reits Sumconductors SJM SSMS Semiconductors SJM SSMS Sommon Property Group Retail Reits SSMS Sommon Property Group Retail Reits Sumcker Company Sommon Froperty Group Retail Reits Sumchart Westrock Sommon Froperty Group Retail Reits Sommon Property Group Retail Reits Sommon Property Group Retail Reits Sumon Property Group Retail Reits Sumon Property Group Retail Reits Sommon Property Group Retail Reits Sommon Property Group Retail Reits Sumon Property Group Ret			
SLB Schumberger Houston, Texas 1957-03 -04 STX Seagate Technology Technology Hardwa re, Storage & Peripherals 7-02 SRE Sempra Multi-Utilities San Diego, California 2017-03-17 NOW Servicenow Systems Software Santa Clara, California 2019-11-21 SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26 SWKS Swyorks Solutions Semiconductors Symorker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock ging Products & Materials 7-08 SNA Supplies & Components 9-30 SOLV Solventum Health Care Technology 1 So Southwest Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SSUJU Southwest Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SSUJU Southwest Airlines SWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SSWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SSWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SSUJU Southwest Airlines SSWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SSUJU Southwest Airlines SSWK Stanley Black & Decker y Supplies & Components 9-30 SSUJU Southwest Airlines SOUTH SouthWest Airlines SOUTH SouthWest Airlines SOUTH SouthWest Airlines SOUTH SouthWest Airlines SOUT	• •		unersee, earriernia 2000 05 15
Gas Equipment & Services -04 STX Seagate Technology Technology Hardwa re, Storage & Peripherals 7-02 SRE Sempra Multi-Utilities Systems Software SHW Servicenow Systems Software SHW Sherwin-Williams Specialty Chemicals SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26 SMKS Swyorks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Materials 7-08 SNA Supplies & Components 9-30 SOLV Solventum Health Care Technology 1 Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SDLV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SDLX Starbucks Restaurants Starley Black & Decker SWK Stanley Black & Decker STT State Street Corporation Steel Fort Wayne, Indiana 2022-12-22 STE Health Care Equipment SYK Stryker Corporation  Houston, Texas 1957-03 Technology Technology Technology California 2017-03-17 Sempra Dublin, Ireland 2012-012-23 Sempra Dublin, Ireland 2019-12-23	Telecom Tower Reits	Во	oca Raton, Florida 2017–09–01
STX Seagate Technology Technology Hardwa re, Storage & Peripherals 7-02  SRE Sempra Multi-Utilities San Diego, California 2017-03-17  NOW Servicenow Systems Software SHW Sherwin-Williams  Specialty Chemicals SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26  SWKS Skyworks Solutions  Semiconductors Irvine, California 2015-03-12  SJM J.M. Smucker Company (The)  Packaged Foods & Meats Orrville, Ohio 2008-11-06  SW Smurfit Westrock Paper & Plastic Packa Dublin, Ireland 2024-04-08  SNA Snap-On Industrial Machiner Kenosha, Wisconsin 1982-09  SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-04  1 SO Southwest Airlines Passenger Airlines SWK Stanley Black & Decker Y & Supplies & Components 9-30  SDLV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker Y & Supplies & Components 9-30  SDLX Starbucks Starbucks Seattle, Washington 2000-06-07  SDLX Starbucks Seattle, Washington 2000-06-07  SDLX Starbucks Seattle, Washington 2000-06-07  SDLX Starbucks Seattle, Washington 2000-06-07  STT State Street Corporation Asset M Boston, Massachusetts 2003-0  STLD Steel Dynamics Fort Wayne, Indiana 2022-12-22  STE Steris Health Care Equipment Stryker Corporation Dublin, Ireland 2019-12-23		Schlumberger	
STX Seagate Technology Technology Hardwa re, Storage & Peripherals 7-02 SRE SEE Sam Diago, California 2017-03-17 NOW Servicenow Systems Software San Diego, California 2017-03-17 SHW Sherwin-Williams Specialty Chemicals Semiconductors Indianapolis, Indiana 2002-06-26 SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Maets 6 SW Smurfit Westrock Dublin, Ireland 2024-06 SW Smurfit Westrock Paper & Plastic Packa Guing Products & Materials 7-08 SNA Snap-On Industrial Machiner Kenosha, Wisconsin 1982-0 9-30 SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-0 1 Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SSBUX Starbucks Seattle, Washington 2000-06-07 STT State Street Corporation STLD Steel Dynamics STE Steel Steris Health Care Equipment SYK Stryker Corporation Stryker Corporation Stryker Corporation Stryker Corporation Stryker Corporation	· · ·		Houston, Texas 1957–03
re, Storage & Peripherals 7-02  SRE Sempra Multi-Utilities San Diego, California 2017-03-17  NDW Servicenow Systems Software Santa Clara, California 2019-11-21  SHW Specialty Chemicals SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26  SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12  SJM J.M. Smucker Company (The) Packaged Foods & Meats 6  SW Smurfit Westrock Jublin, Ireland 2024-07  8 SNA Snap-On Industrial Machiner 9 & Supplies & Components 9-30 SOLV Solventum Health Care Technology 1 SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04 LUV Southwest Airlines SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Stanley Black & Decker 9 & Supplies & Components SWK Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation STT State Street Corporation Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment SYK Stryker Corporation		Seagate Technology	Technology Hardwa
SRE Sempra Multi-Utilities San Diego, California 2017-03-17 NOW Servicenow Systems Software Santa Clara, California 2019-11-21 SHW Sherwin-Williams Specialty Chemicals SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26 SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock Paper & Plastic Packa ging Products & Materials 7-08 SNA Snap-On Industrial Machiner 9-30 SOLV Solventum Health Care Technology 1 SO Southern Company Electric Utilities LUV Southwest Airlines SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SBUX Stanley Black & Decker Industrial Machiner y & Supplies & Components SHUX Stanley Black & Decker Industrial Machiner y & Supplies & Components SHUX Stanley Black & Decker Industrial Machiner y & Supplies & Components SHUX Stanley Black & Decker Industrial Machiner y & Supplies & Components SHUX Stanley Black & Decker Industrial Machiner y & Supplies & Components SHUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation STT State Street Corporation Steel Fort Wayne, Indiana 2022-12-22 STE Health Care Equipment SYK Stryker Corporation		seagate reemiotogy	~ ~ ~
Multi-Utilities NOW Systems Software SHW Sherwin-Williams Specialty Chemicals SPG Simon Property Group Retail Reits SMKS Sokyworks Solutions Semiconductors SJM J.M. Smucker Company Packaged Foods & Meats 6 SW Smurfit Westrock ging Products & Materials 7-08 SNA Supplies & Components 9-30 SOLV Health Care Technology 1 SO Passenger Airlines SWK Stapplies & Components SWK Stapplies & Components SWK Stapplies & Components SU Southwest Airlines Passenger Airlines SW Stapplies & Components SW Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SW Stapplies & Components SW Southern Company Saint Paul, Minnesota 2024–04–04 Stapplies & Components SW Saint Paul, Minnesota SW Subplies & Components SW Saint Paul, Minnesota SW Subplies & Components SW Saint Paul SW Saint			, and the second
Systems Software SHW Sherwin-Williams Specialty Chemicals SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26 SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock Paper & Plastic Packa ging Products & Materials 7-08 SNA Snap-On Industrial Machiner y & Supplies & Components 9-30 SOLV Solventum Health Care Technology 1 SO Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SWS Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SSUX Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SSUX Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SSUX Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SSUX Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SSUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD State Street Corporation Asset M Boston, Massachusetts 2003-0 STE Steel Steris Health Care Equipment Dublin, Ireland 2019-12-23 STE Steris Health Care Equipment Dublin, Ireland 2019-12-23		-	
Systems Software SHW Sherwin-Williams Specialty Chemicals SP6 Simon Property Group Retail Reits SMKS Semiconductors SIM Somiconductors So			•
SHW Sherwin-Williams Specialty Chemicals SPG Simon Property Group Retail Reits Indianapolis, Indiana 2002-06-26 SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock Paper & Plastic Packa Ging Products & Materials 7-08 SNA Snap-On Industrial Machiner y & Supplies & Components 9-30 Solv Solventum Health Care Technology 1 S0 Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SBUX Restaurants SEBUX SESUA STIT State Street Corporation anagement & Custody Banks 3-14 STLD Steel Dynamics Steel STLD Steel Dynamics STE			
Retail Reits Indianapolis, Indiana 2002-06-26 SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock Paper & Plastic Packa ging Products & Materials 7-08 SNA Snap-On Industrial Machiner y & Supplies & Components Solventum Health Care Technology 1 SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04 LUV Southwest Airlines SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components Solventum Saint Paul, Minnesota 2024-04-04 Atlanta, Georgia 1957-03-04 Atlanta, Georgia 1957-03-04 SUM Southwest Airlines SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD State Street Corporation Asset M Boston, Massachusetts 2003-08 STE Steel Fort Wayne, Indiana 2022-12-22 STE Steris Dublin, Ireland 2019-12-23 STE Steris Dublin, Ireland 2019-12-23	-		ara, catirornia 2013 II 21
Retail Reits SWKS Skyworks Solutions Semiconductors SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock ging Products & Materials 7-08 SNA Snap-On SOLV Solventum Health Care Technology 1 SO Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SOLV Solventum Health Care Technology 1 So Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SOLV Solventum Health Care Technology 1 Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation STD State Street Corporation Steel STLD State Street Dynamics Steel STLD Steel STE Steris Steris Dublin, Ireland 2019-12-23 SYK Stryker Corporation Dublin, Ireland 2019-12-23 Dublin, Ireland 2019-12-23 Dublin, Ireland 2019-12-23	Specialty Chemicals		Cleveland, Ohio 1964-06-30
SWKS Skyworks Solutions Semiconductors Irvine, California 2015-03-12 SJM J.M. Smucker Company (The) Packaged Foods & Meats 6 SW Smurfit Westrock Dublin, Ireland 2024-06 SNA Snap-On Industrial Machiner y & Supplies & Components 9-30 SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-0 1 SO Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-0 1 SO Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD State Street Corporation Steel Dynamics Steel STE Steel STE Steris Steris Dublin, Ireland 2019-12-23 STE Health Care Equipment Dublin, Ireland 2019-12-23			
Semiconductors SJM J.M. Smucker Company (The)  Packaged Foods & Meats 6 SW Smurfit Westrock ging Products & Materials 7-08 SNA SNA Snap-On SOLV Solventum Health Care Technology 1 S0 Southern Company Electric Utilities LUV Southwest Airlines SWK Stanley Black & Decker SWK Stapplies & Components SWK Stanley Black & Decker SUPPlies & Components SUPPlies & Components SUPPLIES		-	is, Indiana 2002-06-26
SJM J.M. Smucker Company (The) Packaged Foods & Meats 6  SW Smurfit Westrock Paper & Plastic Packa ging Products & Materials 7-08  SNA Snap-On Industrial Machiner Kenosha, Wisconsin 1982-0 9-30 SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-0 1 SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04 LUV Southwest Airlines Passenger Airlines Dallas, Texas 1994-07-01 SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks S-14 STLD State Street Corporation Asset M Boston, Massachusetts 2003-0 STE Steel Steel Dynamics STE Steris Steris Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation		_	e. California 2015-03-12
SW Smurfit Westrock Paper & Plastic Packa ging Products & Materials 7-08  SNA Snap-On Industrial Machiner Kenosha, Wisconsin 1982-0 9-30 SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-0 1 SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04 LUV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD State Street Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation			0, 00011011110 2015 05 12
SW Smurfit Westrock Paper & Plastic Packa ging Products & Materials 7-08  SNA Snap-On Industrial Machiner Kenosha, Wisconsin 1982-0 9-30 SOLV Solventum Health Care Technology Saint Paul, Minnesota 2024-04-0 1 SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04 LUV Southwest Airlines SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation anagement & Custody Banks 3-14 STLD Steel Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment Styker Corporation SYK Stryker Corporation	Packaged Foods & Meats	, -	Orrville, Ohio 2008-11-0
ging Products & Materials 7-08 SNA SNA Snap-On February Solv Solventum Health Care Technology Southern Company Electric Utilities LUV Southwest Airlines SWK Stanley Black & Decker y & Supplies & Components SWBUX Stanley Black & Decker y Supplies & Components SBUX Stanley Black & Decker STT State Street Corporation anagement & Custody Banks 3-14 STLD Steel STE Health Care Equipment SYK Stryker Corporation STI Dublin, Ireland 2024-04-0 Industrial Machiner Steel Street Corporation Steel Street Corporation Steel Street Corporation Steel Street Street Steris Dublin, Ireland 2024-04-0 Industrial Machiner Span Supplies & Components Steel Street Corporation Steel Street Corporation Steel Street Corporation Steel Street Corporation Steel Street Steris Dublin, Ireland 2019-12-23		6 6 1 1 1	
SNA Snap-On Industrial Machiner y & Supplies & Components SOLV Solventum  Health Care Technology Saint Paul, Minnesota 2024-04-0  SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04  LUV Southwest Airlines Dallas, Texas 1994-07-01  SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components New Britain, Connecticut 1982-0  9-30 SBUX Starbucks  Restaurants Seattle, Washington 2000-06-07  STT State Street Corporation Asset M anagement & Custody Banks Steel Dynamics  Steel Fort Wayne, Indiana 2022-12-22  STE Steris  Health Care Equipment Stryker Corporation Stryker Corporation		Smurtit Westrock	•
y & Supplies & Components 9-30 SOLV Solventum Health Care Technology Southern Company Electric Utilities LUV Southwest Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SBUX SEstaurants STT State Street Corporation anagement & Custody Banks 3-14 STLD STE Health Care Equipment SYK Stryker Corporation STE Health Care Equipment SYK Stryker Corporation SUK Stanley Black & Decker			bustin, fretand 2024 0
SOLV Solventum  Health Care Technology Saint Paul, Minnesota 2024-04-0  SO Southern Company Electric Utilities Atlanta, Georgia 1957-03-04  LUV Southwest Airlines Passenger Airlines Dallas, Texas 1994-07-01  SWK Stanley Black & Decker Industrial Machiner  y & Supplies & Components New Britain, Connecticut 1982-0  9-30  SBUX Starbucks Restaurants Seattle, Washington 2000-06-07  STT State Street Corporation Asset M  anagement & Custody Banks 3-14  STLD Steel Dynamics  Steel Fort Wayne, Indiana 2022-12-22  STE Steris  Health Care Equipment Stryker Corporation  Stryker Corporation	SNA	Snap-0n	Industrial Machiner
Health Care Technology  Southern Company  Electric Utilities LUV Southwest Airlines  Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SBUX Restaurants SETT State Street Corporation anagement & Custody Banks 3-14 STLD STLD STE Health Care Equipment SYK Stryker Corporation SYK Stryker Corporation STrych Stryker Corporation STR Stryker Corporation STR Stryker Corporation STR Stryker Corporation STR Stryker Corporation Stryker Corporation STR Stryker Corporation Stryker Corporation STR Stryker Corporation Stryker Corporation			Kenosha, Wisconsin 1982-0
Health Care Technology  Southern Company  Electric Utilities LUV Southwest Airlines  Passenger Airlines Sukk Stanley Black & Decker  Y & Supplies & Components SBUX Restaurants SESTI State Street Corporation anagement & Custody Banks 3-14 STLD STLD STE Health Care Equipment SYK Starbucks Restaurants Steven Industrial Machiner New Britain, Connecticut 1982-0  Boston, Massachusetts 2003-0  Stevel Stryker Corporation SYK Stryker Corporation		Solvontum	
Southern Company  Electric Utilities Atlanta, Georgia 1957-03-04  LUV Southwest Airlines  Passenger Airlines Dallas, Texas 1994-07-01  SWK Stanley Black & Decker Industrial Machiner  y & Supplies & Components 9-30  SBUX Starbucks  Restaurants Seattle, Washington 2000-06-07  STT State Street Corporation Asset M  anagement & Custody Banks Boston, Massachusetts 2003-0  3-14  STLD Steel Dynamics  Steel Street Street Streis  Health Care Equipment Stryker Corporation  Stryker Corporation			
Electric Utilities LUV Southwest Airlines Passenger Airlines Passenger Airlines SWK Stanley Black & Decker y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Anagement & Custody Banks 3-14 STLD Steel Fort Wayne, Indiana 2022-12-22 STE Health Care Equipment SYK Stryker Corporation  Atlanta, Georgia 1957-03-04 Atlanta, Georgia		·	541HC 1441, H1HH05014 2021 01 0
Passenger Airlines Passenger Airlines SWK Stanley Black & Decker  y & Supplies & Components 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation anagement & Custody Banks STLD Steel STLD Steel Fort Wayne, Indiana 2022-12-22 STE Health Care Equipment SYK Stryker Corporation  SUBJECT State Street Airlines Dublin, Ireland 2019-12-23 Stryker Corporation		Southern Company	
Passenger Airlines SWK Stanley Black & Decker  y & Supplies & Components SBUX Starbucks Restaurants STT State Street Corporation anagement & Custody Banks STLD Steel STLD Steel STE Steel STE			Atlanta, Georgia 1957-03-04
SWK Stanley Black & Decker Industrial Machiner y & Supplies & Components New Britain, Connecticut 1982-0 9-30 SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks Boston, Massachusetts 2003-0 3-14 STLD Steel Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment Stryker Corporation Stryker Corporation		Southwest Airtines	Dallas Texas 1994-07-01
SBUX SBUX Starbucks Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD Steel Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment SYK Stryker Corporation		nley Black & Decker	
SBUX Restaurants Seattle, Washington 2000-06-07 STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD Steel Steel Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment SYK Stryker Corporation	y & Supplies & Components	1	New Britain, Connecticut 1982–0
Restaurants STT State Street Corporation Asset M anagement & Custody Banks 3-14 STLD Steel Port Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment SYK Stryker Corporation		6	
STT State Street Corporation anagement & Custody Banks 3-14 STLD Steel Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation			Washington 2000 06 07
anagement & Custody Banks 3-14 STLD Steel Dynamics Steel STE STE Health Care Equipment SYK Stryker Corporation Ston, Massachusetts 2003-0 Boston, Massachusetts 2003-0 Steris 20022-12-22 Dublin, Ireland 2019-12-23			
3-14 STLD Steel Dynamics Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation		, o : . o : . o : . p o : u : _ o : .	
Steel Fort Wayne, Indiana 2022-12-22 STE Steris Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation	3–14		
STE Steris Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation		-	
Health Care Equipment Dublin, Ireland 2019-12-23 SYK Stryker Corporation			
SYK Stryker Corporation		200112	
Health Care Equipment Kalamazoo, Michigan 2000-12-12		Stryker Corporation	-
	Health Care Equipment		Kalamazoo, Michigan 2000-12-12

SMCI	Supermicro	
re, Storage & Peripherals		San Jose, California 2024-0
3–18 SYF	Synchrony Financial	
Consumer Finance		rd, Connecticut 2015-11-18
SNPS	Synopsys	. u, commederate 2015 11 10
Application Software	Sui	nnyvale, California 2017–03–16
SYY	Sysco	
Food Distributors	T Mahila Ha	Houston, Texas 1986-12-31
TMUS elecommunication Services	T-Mobile Us	Wireless T Bellevue, Washington 2019-0
7–15		bettevae, washington 2013 o
TROW	T. Rowe Price	Asset M
anagement & Custody Banks		Baltimore, Maryland 2019–0
7–29	Taka Tua Interactiva	Inton
TTWO active Home Entertainment	Take-Two Interactive	Inter New York City, New York 2018-0
3–19		New Tork City, New Tork 2010 0
TPR	Tapestry, Inc.	Apparel, A
ccessories & Luxury Goods		New York City, New York 2004-0
9-01	Tanga Dagauraas	0:1.5.60
TRGP Storage & Transportation	Targa Resources	0il & Gas Houston, Texas 2022–10
-12		11003 CO11, 1 CAUS 2022 10
TGT	Target Corporation	Consumer S
taples Merchandise Retail		Minneapolis, Minnesota 1976–1
2–31 TEL	To Connectivity	Electron
ic Manufacturing Services	Te Connectivity	Galway, Ireland 2011–1
0–17		Satisay, Installa 2011 1
	eledyne Technologies	
c Equipment & Instruments 6-22	TI	housand Oaks, California 2020-0
TER	Teradyne	Semiconduc
tor Materials & Equipment	_	h Reading, Massachusetts 2020-0
9–21		
TSLA	Tesla, Inc.	Atin. T 2020 12
Automobile Manufacturers -21		Austin, Texas 2020–12
TXN	Texas Instruments	
Semiconductors		Dallas, Texas 2001-03-12
	fic Land Corporation	0il & Gas
Exploration & Production		Dallas, Texas 2024–11
–26 TXT	Textron	
Aerospace & Defense		ence, Rhode Island 1978–12–31
-	mo Fisher Scientific	Life
Sciences Tools & Services		Waltham, Massachusetts 2004-0
8-03	T' 6 '	
TJX Apparel Retail	Tjx Companies	Massachusetts 1985–09–30
TKO	Tko Group Holdings	133340114300003
Movies & Entertainment	, -	w York City, New York 2025-03-2
4		
TSCO	Tractor Supply	Departured Tarress 2014 01 0
Other Specialty Retail		Brentwood, Tennessee 2014-01-2

```
4
    TT
                           Trane Technologies
Building Products
                                              Dublin, Ireland 2010-11-17
   TDG
                              Transdigm Group
Aerospace & Defense
                                                 Cleveland, Ohio 2016-06-03
                    Travelers Companies (The)
                                                                         Prop
                                              New York City, New York 2002-0
erty & Casualty Insurance
8-21
 TRMB
                                 Trimble Inc.
                                                                    Electroni
c Equipment & Instruments
                                                 Westminster, Colorado 2021-0
1-21
   TFC
                             Truist Financial
Diversified Banks
                                    Charlotte, North Carolina 1997-12-04
                           Tyler Technologies
   TYL
                                                     Plano, Texas 2020-06-22
Application Software
                                  Tyson Foods
   TSN
Packaged Foods & Meats
                                               Springdale, Arkansas 2005-08-1
   USB
                                 U.S. Bancorp
                                       Minneapolis, Minnesota 1999-11-01
Diversified Banks
                                         Uber
 UBER
                                                                       Passen
                                             San Francisco, California 2023-1
ger Ground Transportation
2-18
                                    Udr, Inc.
   UDR
                                             Highlands Ranch, Colorado 2016-0
-Family Residential Reits
3-07
  ULTA
                                  Ulta Beauty
Other Specialty Retail
                                              Bolingbrook, Illinois 2016-04-1
                    Union Pacific Corporation
Rail Transportation
                                                 Omaha, Nebraska 1957-03-04
                     United Airlines Holdings
   UAL
Passenger Airlines
                                              Chicago, Illinois 2015-09-03
                        United Parcel Service
Air Freight & Logistics
                                              Sandy Springs, Georgia 2002-07-
22
   URI
                               United Rentals
Companies & Distributors
                                                Stamford, Connecticut 2014-09
-20
                           Unitedhealth Group
   UNH
Managed Health Care
                                          Minnetonka, Minnesota 1994-07-01
                    Universal Health Services
Health Care Facilities
                                     King Of Prussia, Pennsylvania 2014-09-2
   VL0
                                Valero Energy
                                                                        0il &
                                                   San Antonio, Texas 2002-12
Gas Refining & Marketing
-20
   VTR
                                       Ventas
                                             Chicago, Illinois 2009-03-04
Health Care Reits
  VLT0
                                      Veralto
                                                                   Environmen
tal & Facilities Services
                                               Waltham, Massachusetts 2023-1
0-02
  VRSN
                                     Verisign
                                                                    Internet
Services & Infrastructure
                                                      Dulles, Virginia 2006-0
2-01
  VRSK
                             Verisk Analytics
                                                                        Resea
```

```
rch & Consulting Services
                                              Jersey City, New Jersey 2015-1
0-08
    ٧7
                                                                Integrated T
                                      Verizon
elecommunication Services
                                              New York City, New York 1983-1
  VRTX
                       Vertex Pharmaceuticals
                                    Boston, Massachusetts 2013-09-23
Biotechnology
  VTRS
                                      Viatris
Pharmaceuticals
                                   Pittsburgh, Pennsylvania 2004-04-23
  VTCT
                              Vici Properties
Hotel & Resort Reits
                                         New York City, New York 2022-06-08
                                                           Transaction & Pa
    V
                                    Visa Inc.
yment Processing Services
                                            San Francisco, California 2009-1
2-21
  VST
                                 Vistra Corp.
Electric Utilities
                                                 Irving, Texas 2024-05-08
                    Vulcan Materials Company
Construction Materials
                                               Birmingham, Alabama 1999-06-3
                    W. R. Berkley Corporation
                                                                        Prop
                                               Greenwich, Connecticut 2019-1
erty & Casualty Insurance
2-05
   GWW
                               W. W. Grainger
                                                         Industrial Machiner
y & Supplies & Components
                                                Lake Forest, Illinois 1981-0
                                       Wabtec Construction Machinery & Heavy
  WAB
                                            Pittsburgh, Pennsylvania 2019-02
Transportation Equipment
-27
                    Walgreens Boots Alliance
  WBA
                                    Deerfield, Illinois 1979-12-31
Drug Retail
  WMT
                                      Walmart
                                                                  Consumer S
taples Merchandise Retail
                                                Bentonville, Arkansas 1982-0
8-31
                   Walt Disney Company (The)
Movies & Entertainment
                                               Burbank, California 1976-06-3
  WBD
                       Warner Bros. Discovery
Broadcasting
                                 New York City, New York 2022-04-11
   \<sub>M</sub>M
                            Waste Management
                                                                  Environmen
tal & Facilities Services
                                                       Houston, Texas 1998-0
8-31
                           Waters Corporation
Sciences Tools & Services
                                               Milford, Massachusetts 2002-0
1-02
  WEC
                             Wec Energy Group
Electric Utilities
                                          Milwaukee, Wisconsin 2008-10-31
  WFC
                                  Wells Fargo
Diversified Banks
                                    San Francisco, California 1976-06-30
                                    Welltower
  WELL
Health Care Reits
                                                 Toledo, Ohio 2009-01-30
  WST
                West Pharmaceutical Services
Health Care Supplies
                                             Exton, Pennsylvania 2020-05-22
                              Western Digital
                                                          Technology Hardwa
                                                 San Jose, California 2009-0
re, Storage & Peripherals
7-01
   WY
                                 Weyerhaeuser
```

Timber Reits Seattle, Washington 1979-10-01 Williams-Sonoma, Inc. WSM Homefurnishing Retail San Francisco, California 2025-03-24 WMB Williams Companies Oil & Gas Storage & Transportation Tulsa, Oklahoma 1975-03 -31 WTW Willis Towers Watson Insurance Brokers London, United Kingdom 2016-01-05 Workday, Inc. **WDAY** Application Software Pleasanton, California 2024-12-23 WYNN Wynn Resorts Casinos & Gaming Paradise, Nevada 2008-11-14 XEL Xcel Energy Multi-Utilities Minneapolis, Minnesota 1957-03-04 XYL Xylem Inc. Industrial Machiner White Plains, New York 2011-1 y & Supplies & Components 1-01 YUM Yum! Brands Louisville, Kentucky 1997-10-06 Restaurants ZBRA Zebra Technologies Electroni Lincolnshire, Illinois 2019-1 c Equipment & Instruments 2-23 Zimmer Biomet ZBH Health Care Equipment Warsaw, Indiana 2001-08-07 ZTS Zoetis Pharmaceuticals Parsippany, New Jersey 2013-06-21

## **Ethical Implications**

In this data wrangling process, I made several modifications to the raw website data: I replaced ambiguous headers for clarity, standardized textual values by enforcing title case, removed duplicate records to ensure uniqueness, converted date strings to proper datetime objects for accurate temporal analysis, and trimmed critical fields to eliminate extra spaces and missing values. Although the data—sourced directly from Wikipedia—is publicly available and generally reputable, legal and regulatory guidelines require proper attribution and compliance with Wikipedia's terms of use. The primary risks in these transformations include potential mismatches during fuzzy matching or inadvertent removal of valid data if duplicates are misidentified; additionally, assumptions such as converting all text to title case may not perfectly represent all company names. The data was sourced by scraping an official and publicly accessible page, and its credibility was verified through cross-referencing with other industry sources where possible. Data was acquired ethically under the guidelines for public web scraping, and to mitigate ethical risks, I documented all transformation assumptions, applied conservative duplicate removal criteria, and ensured that no personally sensitive information was manipulated or exposed.