



Data Protection

Lists (Release 7.0)

For Enterprise and Medium Business



Endpoint Security



Protected Cloud



Web Security



TREND MICRO
SMART
Protection Network™

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This documentation introduces the main features of the product and/or provides installation instructions for a production environment. Read through the documentation before installing or using the product.

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Chapter 1

Data Loss Prevention - Predefined Data Identifiers and Templates

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Predefined Expressions

Trend Micro products provide the following predefined expressions:

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
All: Credit Card Number	<ul style="list-style-type: none"> Credit card numbers 	Credit Card Number	<ul style="list-style-type: none"> Number prefix LUHN checksum 	Same name
All: Email Address	<ul style="list-style-type: none"> Email addresses 	Not applicable	Not applicable	Not applicable
All: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
All: IIN (Issuer Identification Number)	<ul style="list-style-type: none"> Also known as BIN (bank identification number) and ISO/IEC 7812 An international standard that specifies a numbering system for the identification of a card issuer 	BINNumber	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
All: IMEI (International Mobile Equipment Identity)	<ul style="list-style-type: none">An international standard for uniquely identifying mobile phones or smartphones	<ul style="list-style-type: none">LUHN checksum	Not applicable	Same name
All: Names from US Census Bureau	<ul style="list-style-type: none">Names from the US Census Bureau (up to the year 1990)	US: Names from Census Bureau	<ul style="list-style-type: none">Case-sensitive	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
All: SWIFT BIC (SWIFT Business Identifier Code)	<ul style="list-style-type: none"> Also known as ISO 9362, BIC code, SWIFT ID, and SWIFT code A standard format of business identifier codes approved by the International Organization for Standardization (ISO) Used by financial institutions and other entities in transactions such as money transfers 	SWIFT BIC (SWIFT Business Identifier Code)	<ul style="list-style-type: none"> Country code Case-sensitive 	Same name
All: Time zone offset	<ul style="list-style-type: none"> An amount of time added to or subtracted from the standard twenty-four time zones. 	Time zone offset	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Albania: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Andorra: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Australia: TFN (Tax File Number)	<ul style="list-style-type: none"> Used primarily for tax purposes, but also used in transactions with government agencies and private entities Issued by the Australian Taxation Office to citizens and organizations 	Australia: Tax File Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Austria: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Austria: Phone Number	<ul style="list-style-type: none"> Phone number used in Austria 	Austria: Phone Number	Not applicable	Not applicable
Austria: SSN - Sozialversicherungsnummer (Social Security Number)	<ul style="list-style-type: none"> Used in transactions with government agencies and private entities 	Austria: Social Security Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Azerbaijan: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Bahrain: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Belgium: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Belgium: National Registry Number	<ul style="list-style-type: none"> Used as a national ID number Issued by the National Register to citizens 	Belgium: National Registry Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Belgium: Phone Number	<ul style="list-style-type: none"> Phone number used in Belgium 	Belgium: Phone Number	Not applicable	Not applicable
Bosnia and Herzegovina: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Bosnia and Herzegovina: JMBG - Jedinstveni matični broj građana (Unique Master Citizen Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the former Yugoslav republics to citizens, which Bosnia and Herzegovina continued to use after its independence 	Bosnia and Herzegovina: Unique Master Citizen Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Brazil: CNPJ - Cadastro Nacional da Pessoa Jurídica (National Registry of Legal Entities)	An identification number issued to Brazilian companies by the Secretariat of the Federal Revenue of Brazil	Brazil: National Registry of Legal Entities	<ul style="list-style-type: none"> Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Brazil: CPF - Cadastro de Pessoas Físicas (Natural Persons Register)	<ul style="list-style-type: none"> Used primarily for tax purposes, but also used in transactions with government agencies and private entities Issued by the Federal Revenue to citizens and resident foreign nationals 	Brazil: Natural Persons Register	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
British Virgin Islands: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Bulgaria: EGN - Edinen Grashdanski Nomer (Uniform Civil Number)	<ul style="list-style-type: none"> Used in administrative, health, and banking systems Issued by district offices to citizens and permanent residents 	Bulgaria: Uniform Civil Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Bulgaria: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Bulgaria: Phone Number	<ul style="list-style-type: none"> Phone number used in Bulgaria 	Bulgaria: Phone Number	Not applicable	Not applicable
Canada: RAMQ - Régie de l'assurance maladie du Québec (Quebec Health Insurance Number)	<ul style="list-style-type: none"> Issued to citizens and residents eligible for the Quebec Health Insurance Plan 	Canada: Quebec RAMQ	<ul style="list-style-type: none"> Expression-specific checksum Case-sensitive 	Same name
Canada: SIN (Social Insurance Number)	<ul style="list-style-type: none"> Used in tax reporting, bank transactions, and administration of government programs 	Canada: Social Insurance Number	<ul style="list-style-type: none"> Number prefix LUHN checksum 	Same name
China: Bank Account Number	<ul style="list-style-type: none"> Used to identify the bank account of an individual or organization in China 	China: Bank Account Number	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
China: Mobile Phone Number	<ul style="list-style-type: none"> Mobile phone number used in China 	China: Mobile Phone Number	Not applicable	Same name
China: National Identification Number	<ul style="list-style-type: none"> Used by citizens in accessing public and private services 	China: National Identification Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
China: Phone Number	<ul style="list-style-type: none"> Phone number used in China 	Not applicable	Not applicable	Same name
China: UnionPay Card Number	<ul style="list-style-type: none"> Used to identify a UnionPay account holder's debit or credit card 	China: UnionPay Card Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Costa Rica: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Croatia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Croatia: MBG - Matični broj građana (Unique Master Citizen Number)	<ul style="list-style-type: none"> Used in transactions with government agencies Issued by the former Yugoslav republics to citizens, which Croatia continued to use after its independence 	Croatia: Unique Master Citizen Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Croatia: OIB - Osobni identifikacijski broj (Personal Identification Number)	<ul style="list-style-type: none"> Replacement for the Unique Master Citizen Number Used in transactions with government agencies and private entities 	Croatia: Personal Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Croatia: Phone Number	<ul style="list-style-type: none"> Phone number used in Croatia 	Croatia: Phone Number	Not applicable	Not applicable
Cyprus: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Cyprus: Phone Number	<ul style="list-style-type: none"> Phone number used in Cyprus 	Cyprus: Phone Number	Not applicable	Not applicable
Cyprus: TIN (Tax Identification Number)	Used in transactions with government agencies and private entities	None	Not applicable	Not applicable
Czech Republic: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Czech Republic: Phone Number	<ul style="list-style-type: none"> Phone number used in Czech Republic 	Czech Republic: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Czech Republic: RC - Rodne Cislo (Birth Number)	<ul style="list-style-type: none"> Used primarily for social security and healthcare purposes, but also used when filing taxes and seeking employment Issued by the Ministry of the Interior to citizens and resident foreign nationals 	Czech Republic: Birth Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Date: Full (day/month/year)	<ul style="list-style-type: none"> Date format commonly used in the United Kingdom <ul style="list-style-type: none"> dd/mm/yy or dd-mm-yy dd/mm/yyyy or dd-mm-yyyy 	Date (day-month-year)	<ul style="list-style-type: none"> Month range Day range Year earlier than 2051 	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Date: Full (month/day/year)	<ul style="list-style-type: none"> Date format commonly used in the United States <ul style="list-style-type: none"> mm/dd/yy or mm-dd-yy mm/dd/yyyy or mm-dd-yyyy 	Date (month-day-year)	<ul style="list-style-type: none"> Month range Day range Year earlier than 2051 	Not applicable
Date: Full (year/month/day)	<ul style="list-style-type: none"> Date format defined by the International Organization for Standardization (ISO) <ul style="list-style-type: none"> yy/mm/dd or yy-mm-dd yyyy/mm/dd or yyyy-mm-dd 	Date (year-month-day)	<ul style="list-style-type: none"> Month range Day range Year earlier than 2051 	Not applicable
Date: Partial (month/year)	<ul style="list-style-type: none"> Date format that specifies only the month and year <ul style="list-style-type: none"> mm/yy mm/yyyy 	Not applicable	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Denmark: CPR-nummer (Personal Identification Number)	<ul style="list-style-type: none"> Also known as personnummer Used in transactions with government agencies and private financial institutions 	Denmark: Personal Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Denmark: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Denmark: Phone Number	<ul style="list-style-type: none"> Phone number used in Denmark 	Denmark: Phone Number	Not applicable	Not applicable
Dominican Republic: CIE - Cédula de Identidad y Electoral (Personal Identification Number)	<ul style="list-style-type: none"> Used in transactions with government agencies and private entities 	Dominican Republic: Personal Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Dominican Republic: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Estonia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Estonia: IK - Isikukood (Personal Identification Code)	<ul style="list-style-type: none"> Used as a national ID number Issued by the Ministry of Internal Affairs to citizens and resident foreign nationals 	Estonia: Personal Identification Code	<ul style="list-style-type: none"> Gender digit Birth date embedded in the number Expression-specific checksum 	Same name
Estonia: Phone Number	<ul style="list-style-type: none"> Phone number used in Estonia 	Estonia: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Finland: HETU - Henkilötunnus (Personal Identity Code)	<ul style="list-style-type: none"> Used in transactions with government agencies and private entities 	Finland: Personal Identity Code	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Finland: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Finland: Phone Number	<ul style="list-style-type: none"> Phone number used in Finland 	Finland: Phone Number	Not applicable	Not applicable
France: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
France: Les Codes INSEE - Institut National de la Statistique et des Études Économiques (INSEE Code)	<ul style="list-style-type: none"> The numerical indexing code used by the French National Institute for Statistics and Economic Studies (INSEE) Used to identify entities Functions as a national ID number 	France: INSEE Code	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
France: NIR - Numéro d'Inscription au Répertoire (Social Security Number)	<ul style="list-style-type: none"> Also known as National Registration Number Used in the administration of the national insurance or social security system 	Not applicable	Not applicable	Same name
France: Phone Number	<ul style="list-style-type: none"> Phone number used in France 	None	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Georgia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Germany: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Germany: Phone Number	<ul style="list-style-type: none"> Phone number used in Germany 	Germany: Phone Number	<ul style="list-style-type: none"> Area Code The maximum total length of Area Code and Subscriber Number is 12 	Same name
Germany: SN - Steuernummer (Tax Identification Number)	<ul style="list-style-type: none"> Issued by the German tax administration 	Germany: Tax Identification Number	<ul style="list-style-type: none"> Birth month and day Expression-specific checksum Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Gibraltar: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Greece: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Greece: Phone Number	<ul style="list-style-type: none"> Phone number used in Greece 	Greece: Phone Number	Not applicable	Not applicable
Greece: TIN - Tax Identification Number	Used in transactions with government agencies and private entities	None	Not applicable	Not applicable
Greenland: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Guatemala: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Hong Kong: Identity Card Number	<ul style="list-style-type: none"> Used primarily for identification purposes; also used in transactions with government agencies and private entities Issued by the Registration of Persons Office to residents 	Hong Kong: Identity Card Number	<ul style="list-style-type: none"> Expression-specific checksum Case-sensitive 	Same name
Hungary: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Hungary: Phone Number	<ul style="list-style-type: none"> Phone number used in Hungary 	Hungary: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Hungary: Szemelyi Szám (Personal Identification Number)	<ul style="list-style-type: none"> Issued to citizens and resident foreign nationals Abolished in 1991; rarely used today 	Hungary: Personal Identification Number	<ul style="list-style-type: none"> Number prefix Birth date embedded in the number Expression-specific checksum 	Same name
Iceland: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
India: Aadhaar (Unique Identification Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the Unique Identification Authority of India to citizens and resident foreign nationals 	India: Unique Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
India: Mobile Phone Number	<ul style="list-style-type: none"> Mobile phone number used in India 	India: Mobile Phone Number	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
India: PAN - Permanent Account Number	<ul style="list-style-type: none"> Used primarily for tax purposes; also used in financial transactions Issued by the Income Tax Department to citizens and resident foreign nationals 	India: PAN - Permanent Account Number	<ul style="list-style-type: none"> Case sensitive 	Same name
India: Passport Number	<ul style="list-style-type: none"> Appears in passports issued to citizens Used in transactions with government agencies and private entities 	India: Passport Number	Not applicable	Same name
India: Phone Number	<ul style="list-style-type: none"> Phone number used in India 	India: Phone Number	Not applicable	Same name
India: PIN - Postal Index Number	<ul style="list-style-type: none"> Also known as Pincode Postal code number used in India 	India: Postal Index Number	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
India: Vehicle Registration Number	<ul style="list-style-type: none"> Issued by the district-level Regional Transport Office (RTO) to all motorized road vehicles 	India: Vehicle Registration Number	Not applicable	Same name
Ireland: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Ireland: Phone Number	<ul style="list-style-type: none"> Phone number used in Ireland 	Ireland: Phone Number	Not applicable	Not applicable
Ireland: PPSN (Personal Public Service Number)	<ul style="list-style-type: none"> Used in accessing social welfare benefits, public services, and information 	Ireland: Personal Public Service Number	<ul style="list-style-type: none"> Expression-specific checksum Case-sensitive 	Same name
Ireland: VAT (Value Added Tax Number)	<ul style="list-style-type: none"> Used for value added tax purposes 	Not applicable	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Israel: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Israel: National Identity Number	Issued to permanent and temporary residents	LUHN checksum	Not applicable	Same name
Italy: CF - Codice Fiscale (Tax Code)	<ul style="list-style-type: none"> Used primarily for tax purposes, but also used in transactions with government agencies and private entities Issued by the Italian Revenue Agency to citizens and resident foreign nationals 	Italy: CF – Codice Fiscale (Tax Code)	<ul style="list-style-type: none"> Number prefix Expression-specific checksum Case sensitive 	Italy: Fiscal Code

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Italy: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case sensitive 	Same name
Italy: Phone Number	<ul style="list-style-type: none"> Phone number used in Italy 	Italy: Phone Number	Not applicable	Not applicable
Japan: Address	<ul style="list-style-type: none"> Address in Japan (prefecture, ward, city, county, block, building name, and number) 	Not applicable	Not applicable	Not applicable
Japan: Date	<ul style="list-style-type: none"> Date formats commonly used in Japan <ul style="list-style-type: none"> yyyy/mm/dd yy/mm/d yy.mm.d yy.m.d yyyy-m-d 	Not applicable	Not applicable	Not applicable
Japan: Driving License Number	A permit allowing individuals to operate motor vehicles in Japan	Japan Driver License Number	Case-sensitive	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Japan: Email Address	<ul style="list-style-type: none"> Email addresses commonly used in Japan 	Not applicable	Not applicable	Not applicable
Japan: My Number - Corporate Number: Central government organizations	Social security and tax number (My Number) for central government organizations in Japan	Japan: My Number - Corporate Number	Expression-specific checksum	<p>My Number - Corporate Number: Central government organizations (Match 10)</p> <p>Template renamed with match rules</p>
Japan: My Number - Corporate Number: Local governments with Community Identification Number	Social security and tax number (My Number) for local governments with Community Identification Number in Japan	Japan: My Number - Corporate Number	Expression-specific checksum	<p>My Number - Corporate Number: Local governments with Community Identification Number (Match 10)</p> <p>Template renamed with match rules</p>

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Japan: My Number - Corporate Number: Local governments without Community Identification Number	Social security and tax number (My Number) for local governments without Community Identification Number in Japan	Japan: My Number - Corporate Number	Expression-specific checksum	My Number - Corporate Number: Local governments without Community Identification Number (Match 10) Template renamed with match rules
Japan: My Number - Corporate Number: Registered corporations	Social security and tax number (My Number) for registered corporations established in Japan	Japan: My Number - Corporate Number	Expression-specific checksum	My Number - Corporate Number: Registered corporations (Match 10) Template renamed with match rules

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Japan: My Number - Corporate Number: Unregistered corporations and associations without legal personality	Social security and tax number (My Number) for unregistered corporations, incorporated associations without legal personality, and foundations without legal personality in Japan	Japan: My Number - Corporate Number	Expression-specific checksum	My Number - Corporate Number: Unregistered corporations, incorporated associations without legal personality, and foundations without legal personality (Match 10) Template renamed with match rules

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Japan: My Number - Individual Number	Social security and tax number (My Number) for individuals in Japan	Japan: My Number - Individual Number	Expression-specific checksum	Related templates (with match rules): My Number - Individual Number and surname in Kanji (Match 10) My Number - Individual Number and surname in Kanji (Match 100) My Number - Individual Number and surname in Kanji (Match 50)
Japan: Passport Number	<ul style="list-style-type: none"> Appears in passports issued to citizens Used in transactions with government agencies and private entities 	None	Case-sensitive	Same name
Japan: Phone Number	<ul style="list-style-type: none"> Phone number used in Japan 	Not applicable	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Kazakhstan: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Kuwait: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Latvia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Latvia: Phone Number	<ul style="list-style-type: none"> Phone number used in Latvia 	Latvia: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Latvia: PK - Personas Kods (Personal Code)	<ul style="list-style-type: none"> Used as a national ID number Issued by the Office of Citizenship and Migration Affairs to citizens and resident foreign nationals 	Latvia: Personal Code	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Lebanon: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Liechtenstein: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Lithuania: AK - Asmens Kodas (Personal Code)	<ul style="list-style-type: none"> Used as a national ID number Issued by the police (under the direction of the Ministry of Internal Affairs) to citizens 	Lithuania: Personal Code	<ul style="list-style-type: none"> Number prefix Birth date embedded in the number Expression-specific checksum 	Same name
Lithuania: IBAN (International Bank Account Number)	An international standard for identifying bank accounts with minimal risk of transcription errors	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Lithuania: Phone Number	Phone number used in Lithuania	Lithuania: Phone Number	Not applicable	Not applicable
Luxembourg: IBAN (International Bank Account Number)	An international standard for identifying bank accounts with minimal risk of transcription errors	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Luxembourg: Phone Number	Phone number used in Luxembourg	Luxembourg: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Luxembourg: TIN (Tax Identification Number)	Used in transactions with government agencies and private entities	Luxembourg: TIN (Tax Identification Number)	Not applicable	Not applicable
Macedonia: ЕМБГ - Единствен матичен број на граѓанинот (Unique Master Citizen Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the former Yugoslav republics to citizens, which Macedonia continued to use after its independence 	Macedonia: Unique Master Citizen Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Macedonia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Malaysia: Mobile Phone Number	<ul style="list-style-type: none"> Mobile phone number used in Malaysia 	Malaysia: Mobile Phone Number	<ul style="list-style-type: none"> Country Code 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Malaysia: NRIC - National Registration Identity Card Number	<ul style="list-style-type: none"> Also referred to as MyKad Used as a national ID number Issued by the National Registration Department of Malaysia to citizens and permanent residents 	Malaysia: National Registration Identity Card Number	<ul style="list-style-type: none"> Birth date embedded in the number 	Same name
Malaysia: Phone Number	<ul style="list-style-type: none"> Phone number used in Malaysia 	Malaysia: Phone Number	<ul style="list-style-type: none"> Country Code 	Same name
Malta: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Malta: Phone Number	<ul style="list-style-type: none"> Phone number used in Malta 	Malta: Phone Number	Not applicable	Not applicable
Malta: TIN (Tax Identification Number)	Used in transactions with government agencies and private entities	None	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Mauritania: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Mauritius: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Mexico: RFC - Registro Federal de Contribuyentes (Tax Identification Number)	<ul style="list-style-type: none"> Issued to legal entities 	Mexico: Tax Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Moldova: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Monaco: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Montenegro: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Montenegro: JMBG - Јединствени матични број грађана (Unique Master Citizen Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the former Yugoslav republics to citizens, which Montenegro continued to use after its independence 	Montenegro: Unique Master Citizen Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Netherlands: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Netherlands: Phone Number	<ul style="list-style-type: none"> Phone number used in Netherlands 	Netherlands: Phone Number	Not applicable	Not applicable
Netherlands: TIN (Tax Identification Number)	Used in transactions with government agencies and private entities	Netherlands: TIN (Tax Identification Number)	Not applicable	Not applicable
New Zealand: IRD Number	<ul style="list-style-type: none"> Used primarily for tax purposes; also used in transactions with private entities Issued by the Inland Revenue Department to citizens and resident foreign nationals 	New Zealand: IRD Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
New Zealand: National Health Index Number	<ul style="list-style-type: none"> Used to access health and disability support services Issued by the Ministry of Health to citizens 	New Zealand: National Health Index Number	<ul style="list-style-type: none"> Expression-specific checksum Case sensitive 	Same name
Nigeria: Verve IIN (Issuer Identification Number)	Debit, Prepaid, and Credit card numbers for Verve International; Issued by Interswitch	Nigeria: Verve IIN (Issuer Identification Number)	Not applicable	Same name
Norway: Fødselsnummer (National identity number)	<ul style="list-style-type: none"> Issued at birth or upon registration with the National Population Register 	Norway: National identity number	<ul style="list-style-type: none"> Birth date and personal identifier embedded in the number 2 expression-specific checksums 	Same name
Norway: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Pakistan: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Poland: Dowód Osobisty (National Identity Card Number)	<ul style="list-style-type: none"> Appears on the identity card issued to citizens 	Poland: National Identity Card Number	<ul style="list-style-type: none"> Expression-specific checksum Case-sensitive 	Same name
Poland: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Poland: PESEL - Powszechny Elektroniczny System Ewidencji Ludności (National Identification Number)	<ul style="list-style-type: none"> Issued to permanent and temporary residents 	Poland: National Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Poland: Phone Number	<ul style="list-style-type: none"> Phone number used in Poland 	Poland: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Portugal: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Portugal: NIF - Número de Identificação Fiscal (Tax Identification Number)	<ul style="list-style-type: none"> Used in transactions with government agencies and private entities 	Portugal: NIF - Número de Identificação Fiscal (Tax Identification Number)	Not applicable	Not applicable
Portugal: Phone Number	<ul style="list-style-type: none"> Phone number used in Portugal 	Portugal: Phone Number	Not applicable	Not applicable
Romania: CNP - Cod Numeric Personal (Personal Numeric Code)	<ul style="list-style-type: none"> Also referred to as personal ID number Used primarily for identification purposes Issued by the Ministry of Internal Affairs to citizens at birth 	Romania: Personal Numeric Code	<ul style="list-style-type: none"> Number prefix Birth date embedded in the number Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Romania: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Romania: Phone Number	<ul style="list-style-type: none"> Phone number used in Romania 	Romania: Phone Number	Not applicable	Not applicable
San Marino: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Saudi Arabia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Serbia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Serbia: JMBG - Јединствени матични број грађана (Unique Master Citizen Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the former Yugoslav republics to citizens, which Serbia continued to use after its independence 	Serbia: Unique Master Citizen Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Singapore: NRIC - National Registration Identity Card Number	<ul style="list-style-type: none"> Used primarily for identification purposes; also used in transactions with government agencies and private entities A number issued by the Immigration & Checkpoints Authority to citizens and resident foreign nationals 	Singapore: National Registration Identity Card Number	<ul style="list-style-type: none"> Expression-specific checksum Case sensitive 	Same name
Singapore: Phone Number	<ul style="list-style-type: none"> Phone number used in Singapore 	Singapore: Phone Number	<ul style="list-style-type: none"> Country Code 	Same name
Slovakia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Slovakia: Phone Number	<ul style="list-style-type: none"> Phone number used in Slovakia 	Slovakia: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Slovakia: RC - Rodne Cislo (Birth Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the civic records authority to citizens 	Slovakia: Birth Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Slovenia: EMŠO - Enotna matična številka občana (Unique Master Citizen Number)	<ul style="list-style-type: none"> Used as a national ID number Issued by the former Yugoslav republics to citizens, which Slovenia continued to use after its independence 	Slovenia: Unique Master Citizen Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Slovenia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Slovenia: Phone Number	<ul style="list-style-type: none"> Phone number used in Slovenia 	Slovenia: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
South Africa: Personal Identification Number	<ul style="list-style-type: none"> Issued to citizens and permit residence permit holders who are 16 years or older 	South Africa: Personal Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Not applicable
South Korea: Resident Registration Number	<ul style="list-style-type: none"> Used to identify residents in transactions with private entities 	South Korea: Resident Registration Number	<ul style="list-style-type: none"> Birth date embedded in the number Gender digit 	Same name
Spain: DNI - Documento Nacional de Identidad (National Identity Card Number)	<ul style="list-style-type: none"> Appears in the national identity document issued to citizens Used in transactions with government agencies and private entities 	Not applicable	Not applicable	Same name
Spain: Full Spanish Name	<ul style="list-style-type: none"> Full Spanish name in “First Name” “Surname” format 	Spain: Full Spanish Name	<ul style="list-style-type: none"> Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Spain: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Spain: NAF - Número de Afiliación a la Seguridad Social (Social Security Number)	<ul style="list-style-type: none"> Used in making social security contributions and accessing public benefits 	Not applicable	Not applicable	Same name
Spain: NIF - Número de Identificación Fiscal (Tax Identification Number)	<ul style="list-style-type: none"> Used to monitor income tax contributions and financial status Issued to citizens; for non-citizens, it is called NIE or Número de Identificación de Extranjero 	Spain: Tax Identification Number	<ul style="list-style-type: none"> Expression-specific checksum Case-sensitive 	Same name
Spain: Phone Number	<ul style="list-style-type: none"> Phone number used in Spain 	Spain: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Sweden: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Sweden: Personnummer (Personal Identity Number)	<ul style="list-style-type: none"> Used primarily as a tax ID and social security number, but also used in transactions with government agencies and private entities Issued by the Swedish Tax Agency to citizens and resident foreign nationals 	Sweden: Personal Identity Number	<ul style="list-style-type: none"> Birth date embedded in the number Expression-specific checksum 	Same name
Sweden: Phone Number	<ul style="list-style-type: none"> Phone number used in Sweden 	Sweden: Phone Number	Not applicable	Not applicable

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Switzerland: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Taiwan: Address	<ul style="list-style-type: none"> Home address in Taiwan (country, city, area, street, building, number) 	Taiwan: Address	Not applicable	Same name
Taiwan: Bank Account Number	<ul style="list-style-type: none"> Used to identify the bank account of an individual or organization in Taiwan 	Taiwan: Bank Account Number	Not applicable	Same name
Taiwan: Business Administration Number	Business administration number	Taiwan: Business Administration Number	Not applicable	
Taiwan: Cathay United Bank Account Number	<ul style="list-style-type: none"> Used to identify the account of a Cathay United Bank customer 	Taiwan: Cathay United Bank Account Number	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Taiwan: IMSI (International Mobile Subscriber Identity)	<ul style="list-style-type: none"> An international standard for uniquely identifying cellular network users in Taiwan 	Not applicable	Not applicable	Same name
Taiwan: Jih Sun Bank Account Number	<ul style="list-style-type: none"> Used to record the financial transactions between an account holder and Jih Sun Bank 	Taiwan: Jih Sun Bank Account Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Taiwan: Mega Bank Account Number	<ul style="list-style-type: none"> Used to record the financial transactions between an account holder and Mega Bank 	Taiwan: Mega Bank Account Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Taiwan: Mobile Phone Number	<ul style="list-style-type: none"> Mobile phone number used in Taiwan 	Taiwan: Mobile Phone Number	<ul style="list-style-type: none"> Country Code 	Same name
Taiwan: Name	<ul style="list-style-type: none"> Family and given name of a Taiwan citizen or resident 	Taiwan: Name	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Taiwan: National Health Insurance (NHI) Drug Codes	<ul style="list-style-type: none"> Used to identify drugs reimbursed through the National Health Insurance (NHI) program in Taiwan 	Taiwan: National Health Insurance (NHI) Drug Codes	Not applicable	Same name
Taiwan: National Identification Number	<ul style="list-style-type: none"> Issued to nationals who have household registration in Taiwan Used in transactions that require identity verification 	Taiwan: National Identification Number	<ul style="list-style-type: none"> Gender digit Expression-specific checksum Case-sensitive 	Same name
Taiwan: SKH Medical Record Number	Used to identify patients in the Shin Kong Wu Ho-Su Memorial Hospital	Taiwan: SKH Medical Record Number	Expression-specific checksum	Same name
Taiwan: VGH Medical Record Number	Used to identify patients in the Taiwan Veterans General Hospital	Taiwan: VGH Medical Record Number	Expression-specific checksum	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Thailand: National Identification Number	<ul style="list-style-type: none"> Issued to nationals who have household registration in Thailand; used in transactions that require identity verification 	Thailand: National Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Thailand: SCB Bank Account Number	<ul style="list-style-type: none"> Used to record the financial transactions between an account holder and SCB Bank 	Thailand: SCB Bank Account Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Thailand: SCB Bank Loan Account Number	<ul style="list-style-type: none"> Used to record the financial transactions between an account holder and SCB Bank 	Thailand: SCB Bank Loan Account Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
Tunisia: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
Turkey: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
Turkey: T.C. Kimlik No. - Türkiye Cumhuriyeti Kimlik Numarası (Personal Identification Number)	<ul style="list-style-type: none"> Used by citizens in accessing public and private services 	Turkey: Personal Identification Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
UK: Home Address	<ul style="list-style-type: none"> Home addresses in the United Kingdom 	Not applicable	Not applicable	Not applicable
UK: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name
UK: NHS Number (National Health Service Number)	<ul style="list-style-type: none"> Used to identify patients and locate health records 	UK: National Health Service Number	<ul style="list-style-type: none"> Expression-specific checksum 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
UK: NIN (National Insurance Number)	<ul style="list-style-type: none"> Used to record national insurance and tax contributions Functions as reference number in communications with government agencies 	Not applicable	Not applicable	Same name
UK: RD&E Hospital Number	<ul style="list-style-type: none"> Used to identify patients of the Royal Devon & Exeter Hospital 	UK: RD&E Hospital Number	Not applicable	Same name
United Arab Emirates: IBAN (International Bank Account Number)	<ul style="list-style-type: none"> An international standard for identifying bank accounts with minimal risk of transcription errors 	IBAN (International Bank Account Number)	<ul style="list-style-type: none"> Country code format Case-sensitive 	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
US: ABA Routing Number	<ul style="list-style-type: none"> Also known as routing transit number (RTN) Identifies the specific financial institution responsible for a negotiable instrument Used in processing direct deposits and other automated transfers 	US: ABA Routing Number	<ul style="list-style-type: none"> First two digits of the number Expression-specific checksum 	Same name
US: California ID or Driver's License Number	ID numbers issued by the State of California	Not applicable	Not applicable	Same name
US: Dollar Amount	Dollar currency amount	Not applicable	Not applicable	Same name
US: HICN (Health Insurance Claim Number)	<ul style="list-style-type: none"> Assigned to Medicare beneficiaries Used in processing Medicare claims 	Not applicable	Not applicable	Same name

NAME	DESCRIPTION	VALIDATOR	ADDITIONAL VERIFICATION	PREDEFINED TEMPLATE
US: Home Address	<ul style="list-style-type: none"> Home addresses in the United States 	Not applicable	Not applicable	Not applicable
US: NPI (National Provider Identifier)	<ul style="list-style-type: none"> Issued to health care providers and other HIPAA-covered entities engaged in standard HIPAA transactions, such as electronic claims and claim status inquiries 	US: National Provider Identifier	<ul style="list-style-type: none"> Expression-specific checksum 	Same name
US: Phone Number	<ul style="list-style-type: none"> Phone number used in the United States 	US: Phone Number	<ul style="list-style-type: none"> Area code 	Same name
US: SSN (Social Security Number)	<ul style="list-style-type: none"> Issued to citizens, permanent residents and eligible foreign nationals Used for taxpayer identification, income reporting, and record keeping 	US: Social Security Number	<ul style="list-style-type: none"> Area code Group number 	Same name

Recognized File Types

The following table outlines the file types that Trend Micro Data Loss Prevention recognizes.



Note

Data Loss Prevention provides the following predefined data identifier and template to recognize file extensions:

All File Extension

FILE TYPE	FILE EXTENSIONS
Documents and Encoding Methods	
Adobe™ Portable Document Format (Non-encrypted)	.pdf
Corel® WordPerfect®	.wpd, .wp
Extensible Markup Language (XML)	.xml
Fuji Xerox DocuWorks™	.xbd, .xdw
HyperText Markup Language (HTML)	.htm
JustSystems Ichitaro	.jtd
Lotus™ Ami Pro	.sam
Microsoft Word for Windows (Non-encrypted)	.doc, .docm, .docx, .dot, .dotm, .dotx
Microsoft Write	.wri
Rich Text Format (RTF)	.rtf
WordStar	.wsd
Graphics	
Bitmap	.bmp

FILE TYPE	FILE EXTENSIONS
Digital Imaging and Communications in Medicine (DICOM)	.dcm
Encapsulated PostScript (EPS)	.eps
Graphics Interchange Format (GIF)	.gif
Joint Photographic Experts Group (JPEG)	.jpg
Portable Network Graphics (PNG)	.png
Tagged Image File Format (TIFF)	.tif
Vector Graphics	
AutoCAD™	.dxf
AutoDesk™	.dwg
CATIA™	.CATDrawing, .CATPart, .CATProduct
Graphic Data System	.gds
PostScript	.ps
Siemens™ NX Unigraphics	.prt
SolidWorks®	.abc, .sldasm, .slddrw, .sldprt
Multimedia Files	
Adobe Flash™	.swf
Apple™ QuickTime™	.mov
Audio Video Interleave (AVI)	.avi
Musical Instrument Digital Interface (MIDI)	.mid
Moving Picture Experts Group (MPEG)	.mpeg
Waveform Audio File Format (WAV)	.wav
Compressed Files	

FILE TYPE	FILE EXTENSIONS
7zip	.7z
ARC/PAK	.arc
ARJ	.arj
Bzip2	.bz2
Compress	.Z
Gzip	.gz
LHA	.lzh
Microsoft Compiled HTML Help	.chm
Microsoft Outlook™ Message	.msg
Microsoft Outlook Data File	.pst
Microsoft Outlook Express Data File	.dbx
Multipurpose Internet Mail Extensions (MIME)	.eml
PGP	.pgp
RAR	.rar
Tape Archive (TAR)	.tar
Zip	.zip
Databases	
Base SAS Data File	.sas7bdat
dBase™	.dbf
Kanrikougaku Kenkyusho KIRI Database	.tbl
Microsoft Access™	.accdb, .mdb
Spreadsheets	
Lotus 1-2-3	.123, .wk1, .wk3, .wk4, .wke, .wks

FILE TYPE	FILE EXTENSIONS
Microsoft Excel™ (Non-encrypted)	.xls, .xlw, .xlsx, .xltx, .xlsb, .xltm, .xlsm, .xlc, .xlam
Quattro Pro®	.qpw, .wb3, .wb2, .wb1, .wq1
Presentation and Diagram Files	
Microsoft PowerPoint™ for Windows - Non-encrypted	.ppt, .pot, .pps, .pptx, .potx, .ppsx, .potm, .pptm, .ppsm
Microsoft Visio	.vdx, .vsd, .vss, .vst, .vsx, .vtx, .vdw
Linked and Embedded Files	
Object Linking and Embedding (OLE)	.ipt, .idw, .iam, .pqw, .msoffice
Encrypted Files	
Encrypted compressed files	.rar, .zip
Encrypted documents	.accdb, .doc, .docx, .pdf, .ppt, .pptx, .wb1, .wb2, .wq1, .wpd, .xls, .xlsx

Predefined Keyword Lists

Trend Micro products provide the following predefined keyword lists:

NAME	DESCRIPTION	CONDITIONS	PREDEFINED TEMPLATE
Adult	Words commonly associated with the adult entertainment industry, including pornographic websites	• Number of keywords: Specific number (4)	Same name
Common Medical Terms	Terms used by hospitals and other health care providers	• Number of keywords: Specific number (5)	Same name

NAME	DESCRIPTION	CONDITIONS	PREDEFINED TEMPLATE
Forms: (First), (Middle), Name	Common use of the "First", "Middle", and "Last Name" fields in documents such as forms	<ul style="list-style-type: none"> Number of keywords: All Distance: 50 	Not applicable
Forms: Date of Birth	Common use of terms that indicate birth dates in documents such as forms	<ul style="list-style-type: none"> Number of keywords: All 	Not applicable
Forms: Expiration Date	Common use of terms that indicate the expiration date of an item (such as a credit card) in documents such as forms	<ul style="list-style-type: none"> Number of keywords: Any 	Not applicable
Forms: First Name, Last Name	Common use of the (First Name) and (Last Name) fields in documents such as forms	<ul style="list-style-type: none"> Number of keywords: All Distance: 50 	Not applicable
Forms: Place of Birth	Common use of terms that indicate a person's birthplace in documents such as forms	<ul style="list-style-type: none"> Number of keywords: Any 	Not applicable
Forms: Street, City, State	Common use of the (State), (City) and (Street) fields in documents such as forms	<ul style="list-style-type: none"> Number of keywords: All Distance: 50 	Not applicable
Japan: Surname in Hiragana (Match 50)	<p>Japanese surnames typed in Hiragana</p> <p>* The list contains 1,672 Japanese surnames.</p>	<ul style="list-style-type: none"> Number of keywords: Specific number (50) 	Same name
Japan: Surname in Kanji 1 (Match 10)	<p>Japanese surnames typed in Kanji</p> <p>* The list contains 2,000 Japanese surnames.</p>	<ul style="list-style-type: none"> Number of keywords: Specific number (10) 	Same name

NAME	DESCRIPTION	CONDITIONS	PREDEFINED TEMPLATE
Japan: Surname in Kanji 2 (Match 50)	Japanese surnames typed in Kanji * <i>The list contains 2,000 Japanese surnames.</i>	• Number of keywords: Specific number (50)	Same name
Japan: Surname in Kanji 3 (Match 100)	Japanese surnames typed in Kanji * <i>The list contains 2,000 Japanese surnames.</i>	• Number of keywords: Specific number (100)	Same name
Japan: Surname in Katakana (Match 50)	Japanese surnames typed in Katakana * <i>The list contains 1,672 Japanese surnames.</i>	• Number of keywords: Specific number (50)	Same name
Japan: Surname in One-Byte Katakana (Match 50)	Japanese surnames typed in one-byte Katakana * <i>The list contains 1,672 Japanese surnames.</i>	• Number of keywords: Specific number (50)	Same name
Racism	Words that may be offensive to specific ethnic groups	• Number of keywords: Specific number (4)	Same name
Source Code: C#	Common source code functions/commands used in C#	• Number of keywords: Specific number (6) • Case-sensitive	Same name
Source Code: C/C++	Common source code functions/commands used in C/C++	• Number of keywords: Specific number (6) • Case-sensitive	Same name

NAME	DESCRIPTION	CONDITIONS	PREDEFINED TEMPLATE
Source Code: COBOL	Common source code functions/commands used in COBOL	<ul style="list-style-type: none"> Number of keywords: Specific number (6) Case-sensitive 	Same name
Source Code: Java	Common source code functions/commands used in Java	<ul style="list-style-type: none"> Number of keywords: Specific number (6) Case-sensitive 	Same name
Source Code: Perl	Common source code functions/commands used in Perl	<ul style="list-style-type: none"> Number of keywords: Specific number (6) Case-sensitive 	Same name
Source Code: VB	Common source code functions/commands used in Visual Basic	<ul style="list-style-type: none"> Number of keywords: Specific number (6) Case-sensitive 	Same name
US: HCFA (CMS) 1500 Form	<p>Standard claim form used by health care professionals and suppliers when requesting payment from Medicare for rendered services</p> <p>* HCFA - Health Care Financing Agency</p> <p>* CMS - Centers for Medicare and Medicaid Services</p>	<ul style="list-style-type: none"> Number of keywords: All Case-sensitive 	Same name
US: SOX(Sarbanes-Oxley) Confidentiality Terms	Terms commonly used to describe confidential information	<ul style="list-style-type: none"> Number of keywords: Specific number (4) 	Not applicable

NAME	DESCRIPTION	CONDITIONS	PREDEFINED TEMPLATE
US: SOX(Sarbanes-Oxley) Financial Terms	Terms commonly used in financial and accounting data	<ul style="list-style-type: none"> Number of keywords: Specific number (22) 	Not applicable
US: UB-04 Form	A universal billing form that simplifies and standardizes the billing and collection of health care data * <i>UB – Uniform Bill</i>	<ul style="list-style-type: none"> Number of keywords: All Case-sensitive 	Same name
Weapons	Words that describe implements of violence	<ul style="list-style-type: none"> Number of keywords: Specific number (4) 	Not applicable

Predefined Templates

To help users more quickly identify the sensitive data within corporate networks, Data Loss Prevention provides predefined templates for the majority of the predefined data identifiers. In addition to the templates derived directly from data identifiers, Data Loss Prevention also provides users with specific templates that help address regulatory compliance concerns.



Note

The following tables outline the predefined templates that are not based directly off of predefined data identifiers. For more information about templates based off of data identifiers, see:

- *Predefined Expressions on page 1-2*
- *Predefined Keyword Lists on page 1-61*

Trend Micro products provide the following predefined regulatory compliance templates:

TABLE 1-1. Regulatory Compliance Templates

NAME	DESCRIPTION	COUNTRIES WITH DEDICATED TEMPLATES
GLBA	<ul style="list-style-type: none"> Gramm-Leach-Bliley Act; also known as the Financial Services Modernization Act Places stringent obligations and penalties on the financial services industry to safeguard the privacy of consumer financial information 	<ul style="list-style-type: none"> US
HIPAA	<ul style="list-style-type: none"> Health Insurance Portability and Accountability Act A privacy rule that regulates the use and disclosure of certain information held by covered entities 	<ul style="list-style-type: none"> US
PCI-DSS	<ul style="list-style-type: none"> Payment Card Industry Data Security Standard An information security standard for organizations that handle cardholder information for major debit, credit, prepaid, e-purse, ATM, and POS cards Created by the Payment Card Industry Security Standards Council to increase controls around cardholder data and to reduce credit card fraud 	<ul style="list-style-type: none"> US
Sarbanes-Oxley Act	<ul style="list-style-type: none"> A law enacted in 2002 that mandates corporate responsibility through financial disclosures and audits 	<ul style="list-style-type: none"> US
SB-1386	<ul style="list-style-type: none"> A California law that regulates the privacy of personal information 	<ul style="list-style-type: none"> US

TABLE 1-2. Generic Templates

NAME	DESCRIPTION	COUNTRIES WITH DEDICATED TEMPLATES
Banking and Financial Information	Banking and financial information, such as banking codes and routing numbers	<ul style="list-style-type: none">• Australia, New Zealand• Canada• China• Denmark• European Union• France• Germany• India• Ireland• Singapore• South Korea• UK• US
Cardholder Information	Cardholder information, such as credit card numbers	<ul style="list-style-type: none">• Australia, New Zealand• Canada• China• Denmark• France• India• Ireland• Singapore• South Korea• UK• US

NAME	DESCRIPTION	COUNTRIES WITH DEDICATED TEMPLATES
European Union: Phone Number	Phone or mobile number used in the European Union	European Union countries, which include the following: <ul style="list-style-type: none"> • Austria • Belgium • Bulgaria • Croatia • Cyprus • Czech Republic • Denmark • Estonia • Finland • France • Germany • Greece • Hungary • Ireland • Italy • Latvia • Lithuania • Luxembourg • Malta • Netherlands • Poland • Portugal • Romania • Slovakia • Slovenia • Spain • Sweden
Financial Transaction Information	Financial transaction information, such as routing numbers and currency	<ul style="list-style-type: none"> • US
Healthcare Information	Healthcare information, such as patient data and health records	<ul style="list-style-type: none"> • Australia, New Zealand • Canada • India • Ireland • Singapore • UK

NAME	DESCRIPTION	COUNTRIES WITH DEDICATED TEMPLATES
Identification Numbers	<ul style="list-style-type: none"> Issued to citizens and resident foreign nationals Used primarily in transactions with government agencies and private entities 	<ul style="list-style-type: none"> European Union
Personally Identifiable Information	Information that can be used singly or with other sources to uniquely identify, contact or locate a single individual	<ul style="list-style-type: none"> Australia, New Zealand Canada China Denmark European Union France India Ireland Singapore UK US
All Personally Identifiable Information (English)	Information that can be used singly or with other sources to uniquely identify, contact or locate a single individual	Not applicable
Contact/Customer/Client List (English)	Contact/customer/client information, such as first name, last name, home address, and birth date	Not applicable
Source Code	Common source code functions/commands	Not applicable

Chapter 2

Data Loss Prevention - Supported Applications

- *Cloud Storage Applications on page 2-2*
- *Data Recorders on page 2-2*
- *Email Clients on page 2-4*
- *FTP on page 2-5*
- *HTTP and HTTPS on page 2-6*
- *IM Applications on page 2-8*
- *Peer-to-Peer Applications on page 2-9*
- *PGP Encryption on page 2-10*
- *Printer on page 2-10*
- *Removable Storage on page 2-11*
- *SMB Protocol on page 2-14*
- *Synchronization Software (ActiveSync) on page 2-17*
- *Webmail on page 2-18*

Cloud Storage Applications



Important

The following table lists cloud storage applications tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

APPLICATION	PROCESS NAME	WEBSITE
OneDrive™	• onedrive.exe	onedrive.live.com
Dropbox	• Dropbox.exe • Dropbox_Universal.Windows.exe • Dropbox.WindowsApp.exe	dropbox.com
Box	• box.exe • BoxSync.exe	app.box.com
Google Drive™	• googledrivesync.exe • RuntimeBroker.exe	drive.google.com

Data Recorders



Important

- Trend Micro recommends applying the latest product patches or hotfixes to receive full support for the data recorders included in this list.
- The following table lists data recording devices tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested devices.

• Pioneer™ DVR-XD09C 8X	• Samsung™ SE-S084	• Lenovo™ ThinkPad® T61
• Sony™ AD-7240S	• Pioneer™ AD-7240S	

**Important**

The following table lists data recording software tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested software.

SOFTWARE	PROCESS NAME
Nero	<ul style="list-style-type: none">nero.exeneroexpress.exenerostartsmart.exenmdllhost.exe
CDBurnerXP	<ul style="list-style-type: none">cdbxpp.exe
CyberLink Power2Go	<ul style="list-style-type: none">power2go.exepower2goExpress.exePower2Go8.exepower2go8.exepower2goexpress8.exePower2Go9.exepower2goexpress9.exe
Windows Media Player	<ul style="list-style-type: none">wmplayer.exe
Windows Explorer	<ul style="list-style-type: none">explorer.exe

Email Clients

**Important**

The following table lists email clients tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested clients.

EMAIL CLIENT	EDITION	PROTOCOL	VERSION
CommuniCrypt Mail, Un-crypt Mode	Not applicable	SMTP	1.1.6
Eudora™	Sponsored Mode	SMTP	7.1.0.9
Lotus Notes™	Not applicable	Not applicable	7.0, 8.0, 8.5.3, 9.0
Mail (for Windows 8)	Windows Store app	SMTP	Not applicable
Microsoft Outlook	Standard and Professional Edition	Not applicable	2003
	Standard, Professional, and Professional Plus Edition	Not applicable	2007
	Home and Business/Standard/Professional/Professional Plus Edition	Not applicable	2010 (32-bit and 64-bit)
	Home and Business/Standard/Professional/Professional Plus Edition	Not applicable	2013 (32-bit and 64-bit)
	Home and Business/Standard/Professional/Professional Plus Edition	Not applicable	2016 (32-bit and 64-bit)
Microsoft™ Outlook™ Express	Not applicable	SMTP	6.0

EMAIL CLIENT	EDITION	PROTOCOL	VERSION
Mozilla™ Thunderbird™	Not applicable	SMTP	2.0.0.17, 3.1, 7.0, 12.0.1, 16.0, 17.0, 24.1.1, 24.2.0, 24.3.0, 31.0
Pegasus	Not applicable	SMTP	4.42
PocoMail™	Not applicable	SMTP	4.5.0.3910, 4.8
The Bat!	Professional Edition	SMTP	4.0.34
Windows™ Live™ Mail	Not applicable	SMTP	2009
Windows Mail on Windows Vista™	Not applicable	SMTP	6.0

FTP



Important

The following table lists FTP clients tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested clients.

FTP CLIENT	EDITION	VERSION
BulletProof FTP	Not applicable	2.63
Core FTP Lite	Not applicable	2.1
CuteFTP™	Professional Edition	8.3, 9.0.5
Filezilla™ Client	Not applicable	3.3.0.1, 3.7.4, 3.10.2, 3.10.3, 3.21.0, 3.41.2, 3.43.0
Filezilla™ Server	Not applicable	0.9.33, 0.9.43

FTP CLIENT	EDITION	VERSION
FTP Commander	Basic Version	8.0
	Deluxe Version	9.0.2
	Pro Version	8.0
FTP Command Line (ftp.exe)	Not applicable	Any version compatible with the host machine's operating system
FTP Explorer	Not applicable	8.8.23.1
IPswitch™ WS_FTP™	Professional Edition	12.2
Microsoft Internet Explorer	Not applicable	6.0 SP2/SP3, 7.0, 8.0
NCFTP (Command Line FTP Client)	Not applicable	3.2.2
SmartFTP	Not applicable	4.0.1216 (32-bit and 64-bit)
Windows Explorer	Not applicable	Any version compatible with the host machine's operating system
WinSCP	Not applicable	5.15.2

HTTP and HTTPS



Important

The following table lists web browsers tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested browsers.

BROWSER	PROTOCOL
Google™ Chrome™	HTTP, HTTPS
Microsoft Internet Explorer	HTTP, HTTPS

BROWSER	PROTOCOL
Mozilla™ Firefox™	HTTP, HTTPS
Microsoft™ Edge™	HTTP, HTTPS

**Important**

The following lists web applications tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

- facebook.com
- wetransfer.com
- uploadfiles.io
- files.fm
- smallpdf.com
- ilovepdf.com
- twitter.com
- mega.nz
- send.firefox.com
- nofile.io
- cp.sync.com
- mediafire.com
- files2u.com
- online.axel.org
- jumpshare.com
- imgbb.com

- 4sharer.com
- dlptest.com
- dlp-test.com
- dlp-test.tcp-udp.net
- netmarks.us
- dataleaktest.com
- Sharepoint.com

IM Applications



Important

The following table lists IM applications tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

APPLICATION	VERSION
AOL™ Instant Messenger™	6.9, 7.2, 7.5, 8.0.7.1
MSN™ on Windows Server 2003	8.5
Skype™	4.0, 4.1, 4.2, 5.2, 5.5, 5.8, 5.10, 5.11.0.102, 6.0.0.120, 6.3.73.105, 6.9.60.106, 6.11.60.102, 7.2.103, 7.26.101, 7.37.103, 7.40.0.103
Skype™ for Business	16.0.4288.100, 16.0.4417.0000, 16.0.6528.1017, 16.0.8201.2200, 16.0.9126.2098, 16.0.9226.2114
 Note Trend Micro products support only detection of sensitive files transmitted using this application.	

APPLICATION	VERSION
Tencent QQ	2011, 2012, 2013, 5.0.9857.0
 Note Trend Micro products support only detection of sensitive files transmitted using this application.	
Windows Live Messenger™	2009, 2011, 2012
Windows Messenger	4.7, 5.1
Yahoo!™ Messenger	10.0, 11.0, 11.5

Peer-to-Peer Applications



Important

The following table lists peer-to-peer applications tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

APPLICATION	VERSION
Apple iTunes for Microsoft Windows	10.5.3.3, 10.7, 11.1, 12.6
BitComet	1.29 (32-bit and 64-bit)
BitTorrent™	7.5 and 7.8.2
Emule	0.50a
Emule Plus	1.2b, 1.2e
HTC Sync	3.0.5606, 3.2.20, 3.3.63
HTC Sync Manager	2.1.77.0

APPLICATION	VERSION
µTorrent™	3.0.0.25683, 3.3.2.30303, 3.4.3

PGP Encryption



Important

The following table lists PGP encryption software tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested software.

SOFTWARE	MODE	VERSION
PGP Desktop	Self-decrypting Archive Mode	10.0.3, 10.1.0, 10.1.1, 10.2.0 (32-bit and 64-bit), 10.3.2 (32-bit and 64-bit)

Printer



Important

The following table lists print-capable applications that were tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

APPLICATION	EDITION	VERSION
Adobe Acrobat™	Standard and Pro	10.x
Adobe Reader™	Not applicable	7.0, 8.0, 9.20, 10.x, 11.0
Microsoft Paint	Not applicable	Any version compatible with the host machine's operating system

APPLICATION	EDITION	VERSION
Microsoft Visual Studio™	Not applicable	2005
Microsoft Word, Excel, and PowerPoint	Standard, Professional, and Premium Edition	2000
Microsoft Word, Excel, PowerPoint, and Visio	Standard and Professional Edition	2003
Microsoft Word, Excel, and PowerPoint	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
TextPad™	Not applicable	5.4.2
UltraEdit	Not applicable	17.20.1016
Windows Notepad	Not applicable	Any version compatible with the host machine's operating system
Windows Wordpad	Not applicable	Any version compatible with the host machine's operating system

Removable Storage



Important

The following table lists removable storage devices tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested devices.

• Memory Stick™ Pro Duo	• miniSD™ card	• USB 15-in-1 media reader
• microSD™ card	• MMC card	• USB storage device (hard disk drive or flash drive)



Important

The following table lists data transmission-capable applications tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

APPLICATION	EDITION	VERSION
Adobe Reader	Not applicable	9.x, 10.x, 11.0
Microsoft Excel	Standard, Professional, and Premium Edition	2000
	Standard and Professional Edition	2003
	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (32-bit and 64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
Microsoft Internet Explorer	Not applicable	6.0 SP2/SP3
	Not applicable	7.0
	Not applicable	8.0 (32-bit and 64-bit)
	Not applicable	9.0 (32-bit and 64-bit)
	Not applicable	10.0 (32-bit and 64-bit)
	Not applicable	11.0 (32-bit and 64-bit)

APPLICATION	EDITION	VERSION
Microsoft PowerPoint	Standard, Professional, and Premium Edition	2000
	Standard and Professional Edition	2003
	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (32-bit and 64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
Microsoft Word	Standard, Professional, and Premium Edition	2000
	Standard and Professional Edition	2003
	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (32-bit and 64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
Mozilla Firefox	Not applicable	3.0, 3.5, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0.2, 17.0
Reader (for Windows 8)	Windows Store app	Not applicable
UltraEdit	Not applicable	17.20.1016

APPLICATION	EDITION	VERSION
Windows Command Prompt (COPY and MOVE commands)	Not applicable	Any version compatible with the host machine's operating system
Windows Explorer	Not applicable	Any version compatible with the host machine's operating system
Windows Notepad	Not applicable	Any version compatible with the host machine's operating system
Windows Wordpad	Not applicable	Any version compatible with the host machine's operating system

SMB Protocol



Important

The following table lists shared file access-capable applications that were tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested applications.

APPLICATION	EDITION/MODE	VERSION
Adobe Reader	Not applicable	9.x, 10.x, 11.0

APPLICATION	EDITION/MODE	VERSION
Microsoft Excel	Standard, Professional, and Premium Edition	2000
	Standard and Professional Edition	2003
	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (32-bit and 64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
Microsoft Internet Explorer	Not applicable	6.0 SP2/SP3
	Not applicable	7.0
	Not applicable	8.0 (32-bit and 64-bit)
	Not applicable	9.0 (32-bit and 64-bit)
	Not applicable	10.0 (32-bit and 64-bit)
	Not applicable	11.0 (32-bit and 64-bit)

APPLICATION	EDITION/MODE	VERSION
Microsoft PowerPoint	Standard, Professional, and Premium Edition	2000
	Standard and Professional Edition	2003
	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (32-bit and 64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
Microsoft Word	Standard, Professional, and Premium Edition	2000
	Standard and Professional Edition	2003
	Standard, Professional, and Professional Plus Edition	2007
	Standard, Professional, and Professional Plus Edition	2010 (32-bit)
	Professional Plus Edition	2010 (64-bit)
	Professional Plus Edition	2013 (32-bit and 64-bit)
	Professional Plus Edition	2016 (32-bit and 64-bit)
Mozilla Firefox	Not applicable	3.0, 3.5, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0.2, 17.0
Reader (for Windows 8)	Windows Store app	Not applicable
UltraEdit	Not applicable	17.20.1016

APPLICATION	EDITION/MODE	VERSION
Windows Command Prompt (COPY and MOVE commands)	Not applicable	Any version compatible with the host machine's operating system
Windows Explorer	Not applicable	Any version compatible with the host machine's operating system
Windows Notepad	Not applicable	Any version compatible with the host machine's operating system
Windows Wordpad	Not applicable	Any version compatible with the host machine's operating system

Synchronization Software (ActiveSync)



Important

The following table lists synchronization software tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested software.

- Microsoft ActiveSync™ 4.5
- Windows Mobile Device Center

The required Windows Mobile Device Center version depends on the endpoint's operating system. For more information, visit the Microsoft website.

Webmail



Important

The following lists web-based email services tested by Trend Micro. Trend Micro cannot be held responsible for any damage or loss of data that may occur through the use of any untested services.

- Web sites:
 - mail.google.com
 - mail.yahoo.com
 - outlook.live.com
 - outlook.office.com
 - outlook.office365.com
- OWA (Outlook on the web):
 - OWA/Exchange 2007
 - OWA/Exchange 2010
 - OWA/Exchange 2013
 - OWA/Exchange 2016

Chapter 3

Device Control - Supported Device Models

- *Supported Device Models on page 3-2*
- *Obtaining the Support Properties for a Device on page 3-6*

Supported Device Models

To determine whether Device Control can manage your devices, you must verify that Device Control supports the Class Guid of your installed devices. You can locate the Class Guid using Windows Device Manager.

The following table outlines the mapping between device types, Device Manager, and Device Control, and the support conditions for each device type.

For more information on locating the “Class Guid”, “Device instance path”, and “Parent” values, see *Obtaining the Support Properties for a Device on page 3-6*.

DEVICE CONTROL - DEVICE TYPE	DEVICE MANAGER - DEVICE TYPE	SUPPORTED CLASS GUID	ADDITIONAL REQUIREMENTS
Storage Devices			
CD/DVD	DVD/CD-ROM drives	{4D36E965-E325-11CE-BFC1-08002BE10318}	-
Floppy disks	Floppy disk drives	{4D36E980-E325-11CE-BFC1-08002BE10318}	-
	Floppy drive controllers	{4D36E969-E325-11CE-BFC1-08002BE10318}	-

DEVICE CONTROL - DEVICE TYPE	DEVICE MANAGER - DEVICE TYPE	SUPPORTED CLASS GUID	ADDITIONAL REQUIREMENTS
USB storage drives	Disk drives	{4D36E967-E325-11CE-BFC1-08002BE10318}	<ul style="list-style-type: none"> The Device instance path value DOES NOT begin with “SCSI\DISK” or “IDE\DISK”. The Device instance path value DOES begin with “SCSI\DISK” and the Parent value (in the Property drop-down list) begins with “USB \VID_”. The Device instance path value DOES begin with “SCSI\DISK” and also includes “VEN_02MICRO”, and the Parent value (in the Property drop-down list) begins with “PCI \VEN_”.
Network drives	Not applicable	Not applicable	Not applicable
Mobile Devices			

DEVICE CONTROL - DEVICE TYPE	DEVICE MANAGER - DEVICE TYPE	SUPPORTED CLASS GUID	ADDITIONAL REQUIREMENTS
Mobile devices / Storage	Universal Serial Bus controllers	{4F919108-4ADF-11D5-882D-00B0D02FE381}	-
		{3F966BD9-FA04-4EC5-991C-D326973B5128}	-
		{F72FE0D4-CBCB-407D-8814-9ED673D0DD6B}	-
		{17FDD8F0-53DF-406F-8287-8C38F6FC9BCC}	-
		{8801E650-78DB-4711-A6E1-8C23B216928A}	-
		{36FC9E60-C465-11CF-8056-444553540000}	Verify that at least one of the Compatible Ids values begins with "USB\" and that the USB Class Code is "06".
	Portable Devices	{88BAE032-5A81-49F0-BC3DA4FF138216D6}	-
Non-Storage Devices			

DEVICE CONTROL - DEVICE TYPE	DEVICE MANAGER - DEVICE TYPE	SUPPORTED CLASS GUID	ADDITIONAL REQUIREMENTS
Bluetooth adapters	Bluetooth / Bluetooth Radios	{E0CBF06C-CD8B-4647-BB8A-263B43F0F974}	-
		{F12D3CF8-B11D-457E-8641-BE2AF2D6D204}	-
		{95C7A0A0-3094-11D7-A202-00508B9D7D5A}	-
		{D76B962B-F0B8-41F2-8590-6605FE4EA312}	-
		{7240100F-6512-4548-8418-9EBB5C6A1A94}	-
COM and LPT ports	Ports (Com & LPT)	{4D36E978-E325-11CE-BFC1-08002BE10318}	-
IEEE 1394 interface	IEEE 1394 Bus host controllers	{6BDD1FC1-810F-11D0-BEC7-08002BE2092F}	-
Imaging devices	Imaging devices	{6BDD1FC6-810F-11D0-BEC7-08002BE2092F}	-
Infrared devices	Infrared devices	{6BDD1FC5-810F-11D0-BEC7-08002BE2092F}	-
Modems	Modems	{4D36E96D-E325-11CE-BFC1-08002BE10318}	-
PCMCIA cards	PCMCIA adapters	{4D36E977-E325-11CE-BFC1-08002BE10318}	-
Print screen key	Not applicable	Not applicable	Not applicable

DEVICE CONTROL - DEVICE TYPE	DEVICE MANAGER - DEVICE TYPE	SUPPORTED CLASS GUID	ADDITIONAL REQUIREMENTS
Wireless NICs	Network adapters	{4D36E972-E325-11CE-BFC1-08002BE10318}	<p>Verify that at least one of the Compatible Ids values begins with “USB\” and that one of the following conditions is true</p> <ul style="list-style-type: none"> • The “Class_” value is “02” or “0a”. • The “Class_” value is “e0” and the “SubClass_” value IS NOT “01”. • The “Class_” value is “e0”, the “SubClass_” value IS “01”, and the “Prot_” value IS NOT “03”.

Obtaining the Support Properties for a Device

To determine whether Device Control can manage your devices, you must verify that Device Control supports the Class GUID of your installed devices. You can locate the Class GUID using the Windows Device Manager.



Note

The following instructions indicate how to locate the necessary device information using Device Manager in Windows 10. The steps may change based on your Windows version. Refer to your Windows documentation for detailed information about using Device Manager.

Procedure

1. Go to **Device Manager**.

- a. On your Windows 10 endpoint, open **File Explorer**.
 - b. Right-click **This PC** and click **Properties**.
 - c. In the panel on the left, click **Device Manager**.
2. Locate and select the device in the tree that you want to check.
3. Right-click the device and click **Properties**.
4. Click the **Details** tab.
5. In the **Property** drop-down list, select **Class Guid**.
6. Check whether the displayed **Class Guid** exists in the supported device list.

For more information, see [Supported Device Models on page 3-2](#).

7. For the **Disk drives** devices in Device Manager (USB storage devices in Device Control), you must also:
 - a. In the **Property** drop-down list, select **Device instance path**.
 - b. Verify that at least one of the following conditions is true:
 - The **Device instance path** value DOES NOT begin with “SCSI\DISK” or “IDE\DISK”.
 - The **Device instance path** value DOES begin with “SCSI\DISK” and the **Parent** value (in the **Property** drop-down list) begins with “USB\VID_”.
 - The **Device instance path** value DOES begin with “SCSI\DISK” and also includes “VEN_02MICRO”, and the **Parent** value (in the **Property** drop-down list) begins with “PCI\VEN_”.
8. For the **Universal Serial Bus controller** devices in Device Manager (Mobile devices in Device Control) with the **Class Guid** = “{36FC9E60-C465-11CF-8056-444553540000}” or “{88BAE032-5A81-49F0-BC3D-A4FF138216D6}”, you must also verify the following:
 - a. In the **Property** drop-down list, select **Compatible Ids**.

- b. Verify that at least one of the values begins with “USB\” and that the “Class_” value is “06”.
9. For the **Network adapters** devices in Device Manager (Wireless NICs in Device Control), you must verify the correct “Class Guid” and also:
 - a. In the **Property** drop-down list, select **Compatible Ids**.
 - b. Verify that at least one of the values begins with “USB\” and that one of the following conditions is true:
 - The “Class_” value is “02” or “0a”.
 - The “Class_” value is “e0” and the “SubClass_” value IS NOT “01”.
 - The “Class_” value is “e0”, the “SubClass_” value IS “01”, and the “Prot_” value IS NOT “03”.

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