



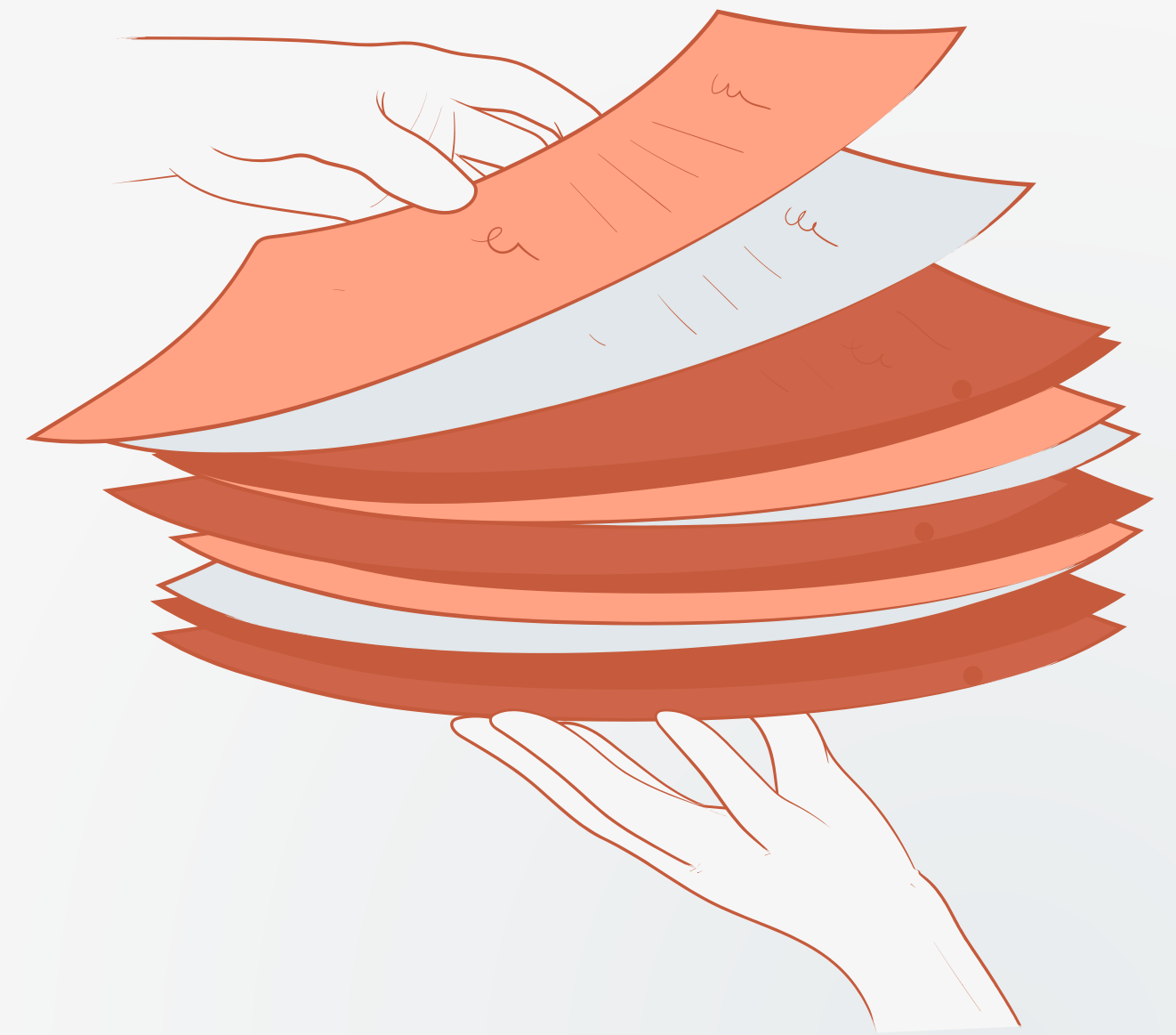
PARAMIFY

STREAMLINING CMMC COMPLIANCE

DELIVERABLES WITH OSCAL

KENNY SCOTT, CO-FOUNDER & CEO

Manually wrestling with hundreds of compliance documents: **expensive, soul-sucking, slows business, outdated** once completed.





SIMPLIFY WITH **PARAMIFY**

Paramify slashes months, even years, of manual effort to hours, for a fraction of the cost. Thank you OSCAL!













KENNY SCOTT

Paramify Co-Founder & CEO

17+ years: Cyber Security & Risk Strategy

Adobe Common Controls Framework
Pioneer



<https://paramify.com>



@Paramify



@kenny-g-scott



@kenny_g_scott



@kenny_g_scott



kenny@paramify.com

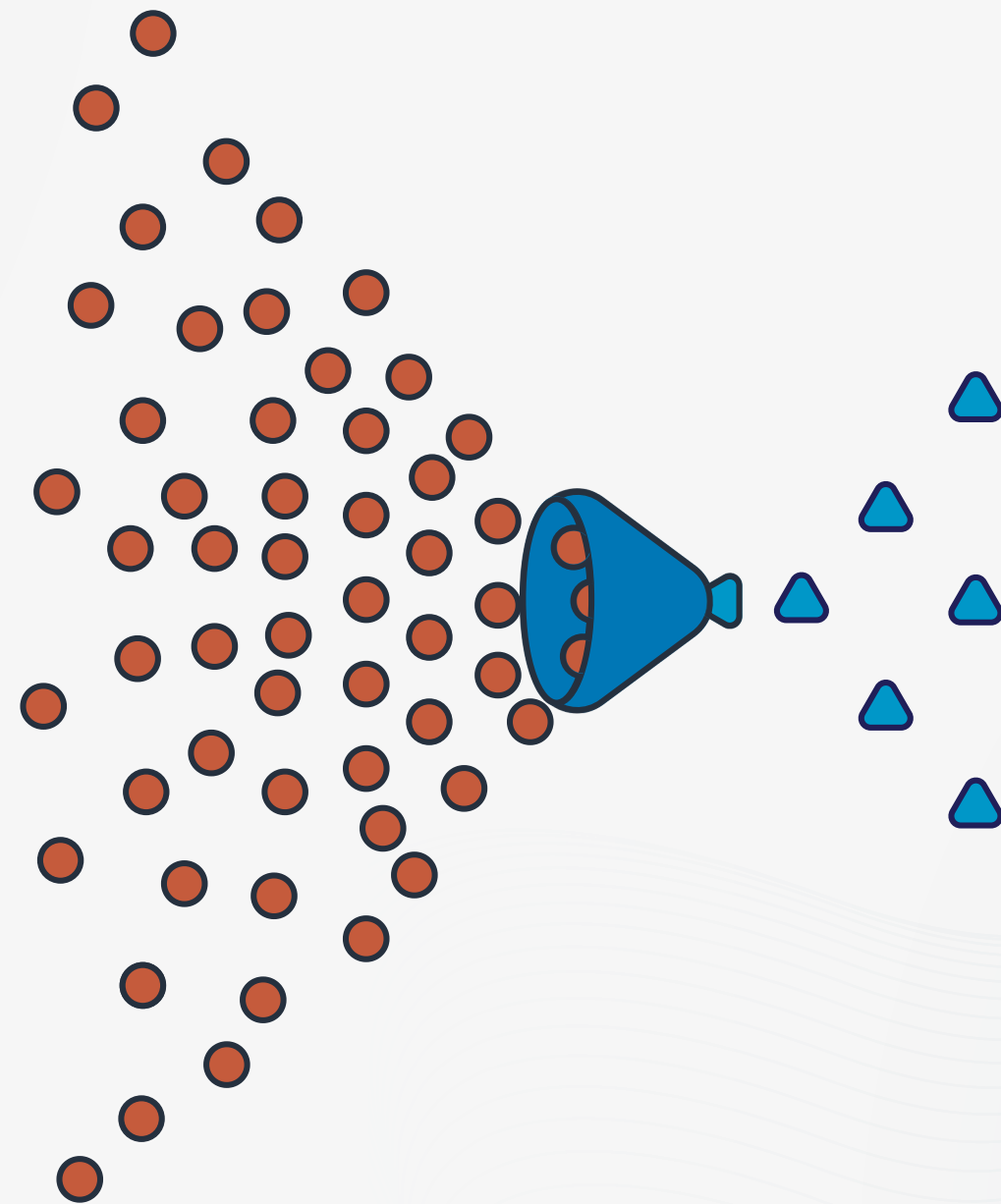




ADOBE COMMON CONTROLS FRAMEWORK

Multiple Requirements (Thousands)

*SOC2, ISO 27001, HIPAA,
FedRAMP, GDPR, Hi-
TRUST ...*

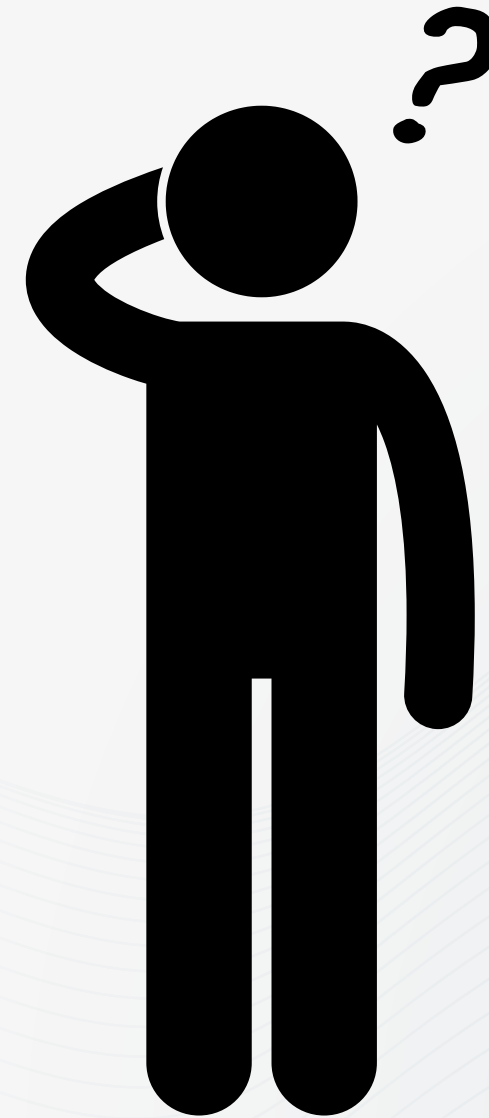


Distilled Requirements (< 300)

*Adobe Common
Controls Framework*



THE PROBLEM





MY REALIZATION



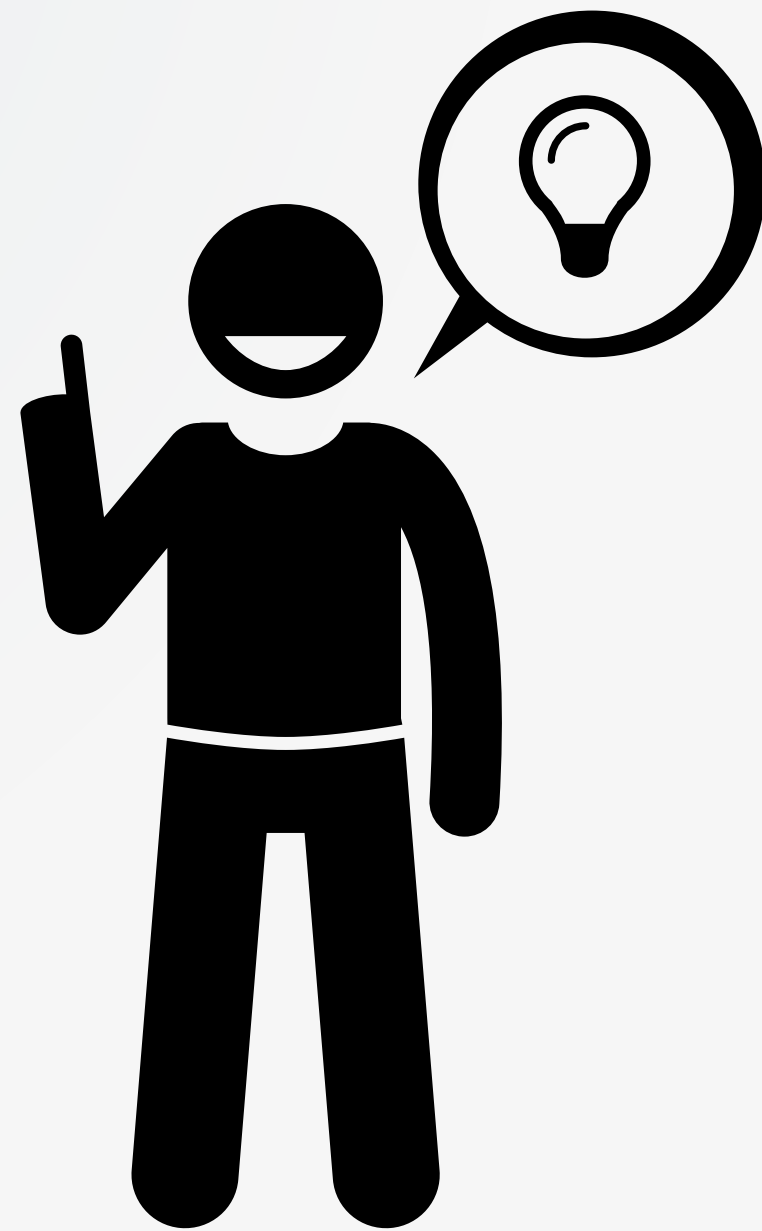


MY REALIZATION





MY REALIZATION





MY HYPOTHESIS





THE SOLUTION





Our initial prototype streamlined FedRAMP Moderate SSPs for complex packages, proving effective across multiple cases.



Scaling for SOC 2, ISO 27001, FedRAMP High, IL5, and CMMC became challenging, as constant refactoring led to issues.



We faced varying compliance catalogs, diverse report formats, and frequent updates, we realized the need for a universal standard.



OSCAL enabled mapping of security best practices to diverse control catalogs, thus allowing flexible, streamlined compliance reporting.

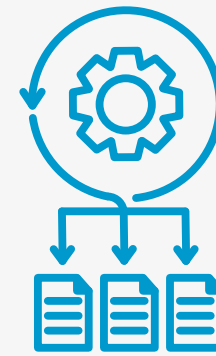


STANDARDIZATION WITH OSCAL



Requirements

Catalogs & Profiles



Implementation

System Security Plans &
Components



Assessment

Assessment Plans, Results &
Plan of Action & Milestones

pages.nist.gov/OSCAL



REQUIREMENTS

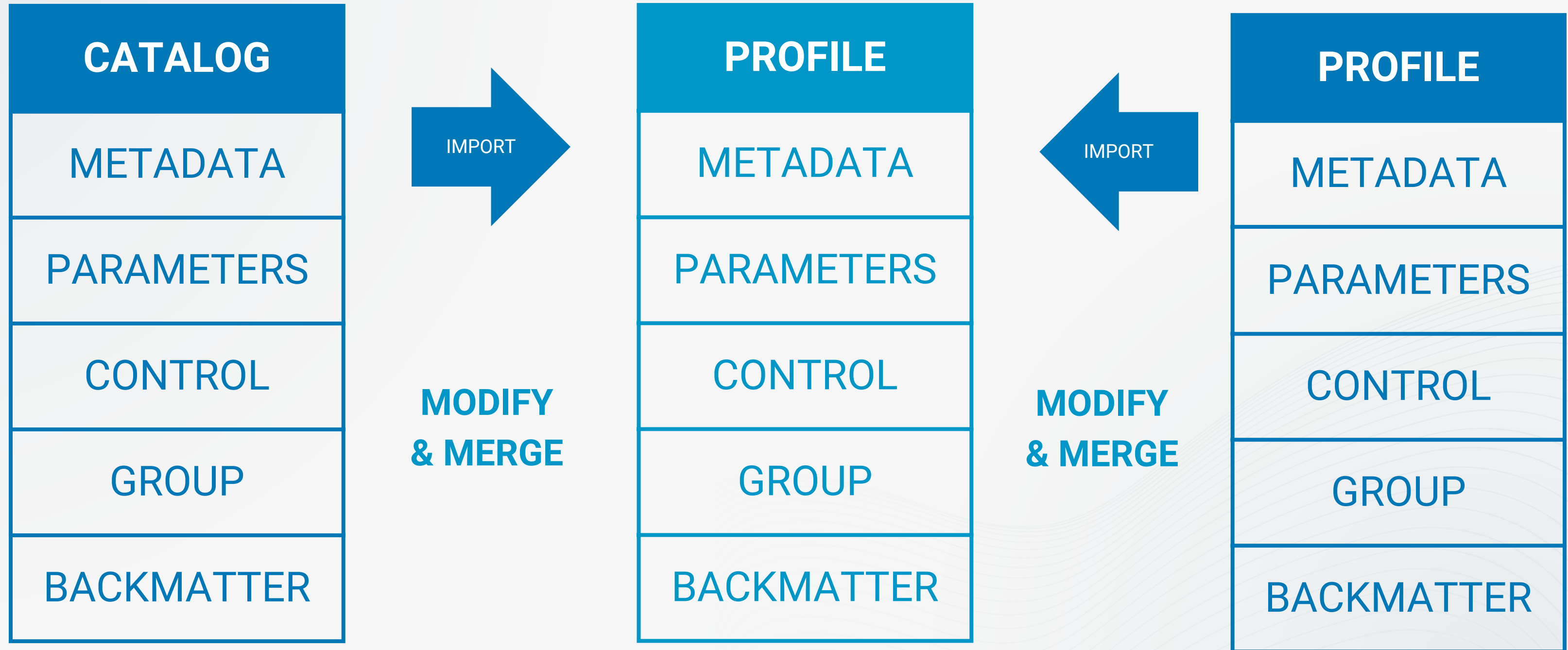


CATALOGS & PROFILES

METADATA	File title, version, date, defines roles, parties, locations.
PARAMETERS	Parameters shared by multiple controls defined here.
CONTROL	Specific parameters, objectives, methods, references.
GROUP	Group-related controls and parameters defined together.
BACKMATTER	Identical syntax for attachments, citations, graphics.



REQUIREMENTS



CONTROL BASELINE



Organizing CMMC Catalogs and Profiles

Catalog: Control Parts

```
2  {
  "catalog": {
    "uuid": "b954d3b7-d2c7-453b-8eb2-459e8d3b8462",
    "metadata": {
      "title": "NIST 800-171 Rev. 2 - Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations"
      "last-modified": "2021-06-08T13:57:28.91745-04:00",
      "version": "2015-01-22",
      "oscal-version": "1.0.0"
    },
    "groups": [
      {
        "id": "ac",
        "class": "family",
        "title": "Access Control",
        "controls": [
          {
            "id": "3.1.1",
            "class": "SP800-171",
            "title": "Authorized Access Control",
            "props": [
              {
                "name": "label",
                "value": "3.1.1"
              },
              {
                "name": "sort-id",
                "value": "3.01.01"
              }
            ],
            "parts": [
              {
                "id": "3.1.1_smt",
                "name": "statement",
```

Catalog: Parameters

```
"catalog": {
  "groups": [
    {
      "controls": [
        {
          ]
        }
      ],
    },
    {
      "id": "3.1.3e",
      "class": "SP800-172",
      "title": "Secured Information Transfer",
      "params": [
        {
          "id": "3.1.3e_odp",
          "props": [
            {
              "name": "alt-identifier",
              "value": "3.1.3e_prm_1"
            }
          ],
          "label": "Secure information transfer solutions",
          "guidelines": [
            {
              "prose": "The organization implementing this requirement must decide on the secure information transfer sc"
            }
          ]
        }
      ],
    },
    "props": [
      {

```


Profiles: L1, L2 & L3

```
{
  "profile": {
    "uuid": "0c98192d-af11-4486-ab9a-d97ff36ff2ad",
    "metadata": {
      "title": "CMMC Rev 2 Level 1 Baseline",
      "published": "2021-02-05T00:00:00.000-04:00",
      "last-modified": "2021-06-09T14:27:40.706-04:00",
      "version": "fedramp1.1.0-oscal1.0.0",
      "oscal-version": "1.0.0"
    },
    "imports": [
      {
        "href": "#bd005eae-cc63-4e64-9109-3905a9a825e4",
        "include-controls": [
          {
            "with-ids": [
              "3.1.1",
              "3.1.2",
              "3.1.20",
              "3.1.22",
              "3.5.1",
              "3.5.2",
              "3.8.3",
              "3.10.1",
              "3.10.3",
              "3.10.4",
              "3.10.5",
              "3.13.1",
              "3.13.5",
              "3.14.1",
              "3.14.2",
              "3.14.4",
              "3.14.5"
            ]
          }
        ]
      }
    ]
  }
}
```

Paramify CMMC

CMMC (Rev 2)

Dashboard

Data ▾

Security Objectives

Controls ▾

Selection

Implementation

Key Contacts

Project Overview

Glossary & Acronyms

Attachments

Issues

Document Robot

Project Settings

Paramify, Inc.

Paramify CMMC

CMMC Project (Rev 2) Level 2

Project Progress

[SSP Details](#)



Control Implementation Status

[Assign assigned to...](#)



- Implemented
- Alternative implementation
- Not applicable
- Planned
- Partially implemented
- Not implemented
- Not set

Progress Breakdown



Implementation Breakdown

[By Control Family](#) [By Assignment](#)





Do I still have to do everything?

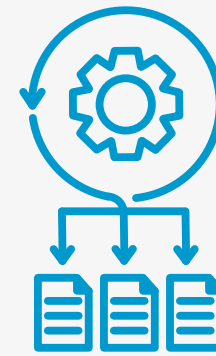


STANDARDIZATION WITH OSCAL



Requirements

Catalogs & Profiles



Implementation

System Security Plans &
Components



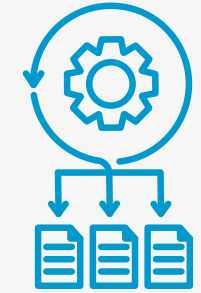
Assessment

Assessment Plans, Results &
Plan of Action & Milestones

pages.nist.gov/OSCAL



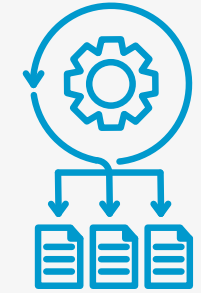
IMPLEMENTATION



COMPONENT DEFINITION	
METADATA	File title, version, date, defines roles, parties, locations.
IMPORT	References component definition from external resource.
COMPONENT	Describes a component within an implemented system.
CAPABILITY	Groups multiple components or capabilities as one.
BACKMATTER	Identical syntax for attachments, citations, graphics.



IMPLEMENTATION



SYSTEM SECURITY PLAN	
METADATA	File title, version, date, defines roles, parties, locations.
IMPORT PROFILE	Defines system's control baseline as OSCAL profile.
CHARACTERISTICS	Defines attributes like name, description, models, & info.
IMPLEMENTATION	Defines info like roles, connections, services, & inventory.
CONTROL	Describes how each baseline control is implemented.
BACK MATTER	Identical syntax for attachments, citations, graphics.





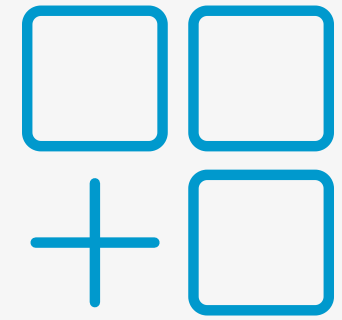
Paramify's Risk Solution Platform



RISK SOLUTIONS



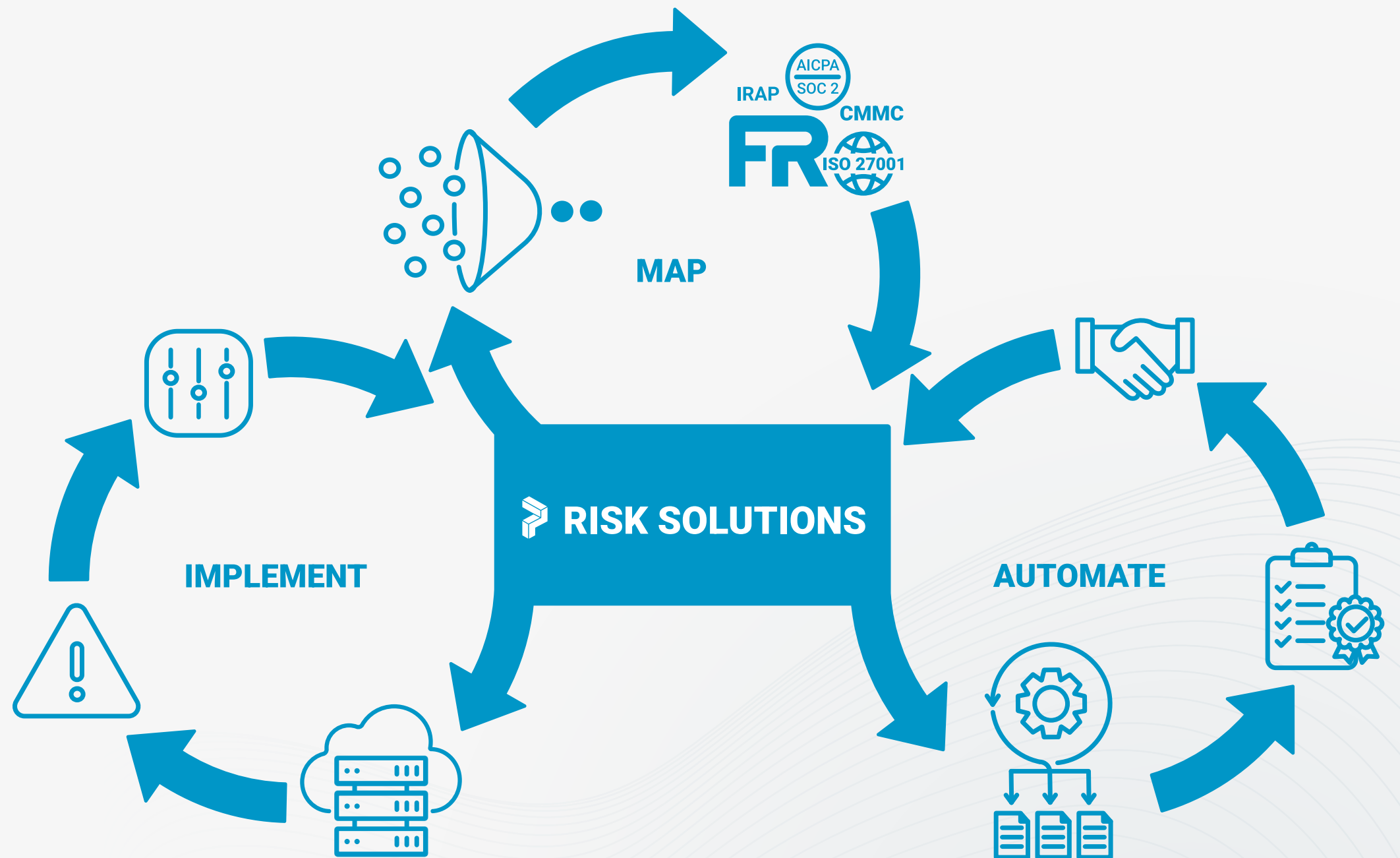
 **RISK SOLUTIONS**





RISK SOLUTIONS ENABLE AGILITY

Risk Solutions are the capability inventory of your security program, becoming more robust with time and usage. As your organization grows, your solutions adapt, providing your organization with a tailored security framework for your specific needs, helping you maximize agility.



Elements

↓ Import Elements














- Components**
- Parties
- Roles
- Locations
- Data
- Collections

Components

 [Create Components](#)

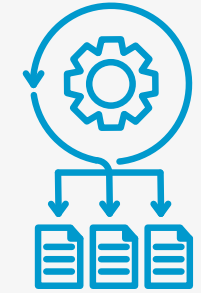
Components are technical & non-technical tools used to achieve an outcome.

Search: Filter type:

 <p>Agreements (5)</p> <p>Agreements between two or more parties.</p>	 <p>Customer Managed (1)</p> <p>Provided by or configured by the customer.</p>	 <p>FedRAMP Systems (6)</p> <p>Leveraged Preauthorized FedRAMP Systems.</p>	 <p>IaaS (10)</p> <p>Infrastructure as a Service (IaaS)</p>	 <p>Interconnections (9)</p> <p>Authorized FedRAMP boundary interconnections.</p>
 <p>Plans (10)</p> <p>Official plans for organizational programs.</p>	 <p>Policies (1)</p> <p>What parties must comply with.</p>	 <p>Procedures (1)</p> <p>Step-by-step of how a process is implemented.</p>	 <p>Processes (31)</p> <p>Combines technical and/or non-technical components.</p>	 <p>SaaS (33)</p> <p>Software as a Service (SaaS)</p>
 <p>Services (9)</p> <p>Supports transmission of data over</p>	 <p>Software (1)</p> <p>Software that is hosted as an on prem</p>	 <p>Validations (2)</p> <p>Protects data at rest and in motion with</p>		



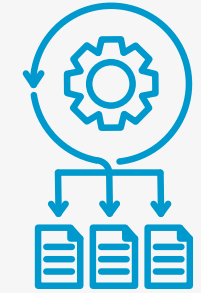
IMPLEMENTATION



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IMPLEMENTATION



COMPONENT DEFINITION	
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CAPABILITY	Groups multiple components or capabilities as one.
BACKMATTER	Identical syntax for attachments, citations, graphics.

Summary

Total Risk Solutions

279

See all →

Target Completion Date ⓘ

Complete

See incomplete →

Overall Completed ⓘ



Overall Reviewed ⓘ



Implementation Summary

Filter by role



- Implemented
- Alternative implementation
- Not applicable
- Planned
- Partially implemented
- Not implemented
- Not set

Completion Breakdown

Group by: Family



OSCAL & CMMC Deliverables

Paramify CMMC

CMMC (Rev 2)

Dashboard

Data

Security Objectives

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Document Robot

Project Settings

Paramify CMMC / Controls Implementation / 3.1.1 Part b

3.1.1 Part b

2 / 320 < >

Control Requirement

View Control Description Implemented

Processes acting on behalf of authorized users are identified;

Print Canned Text

Solution Implementation

Service Account Permissions: Amazon Id

Paramify, Inc. uses @IAM , a CMMC-compl

Identity Team

Paramify service account objects are assign @Change Management Process

Name	Date Modified	Size	Kind
Paramify-SSP-CMMC-V2-0-2.docx	Today, 2:23 AM	1.4 MB	Micros... (docx)
Paramify-SSP-CMMC-V2-0-2.xml	Today, 2:23 AM	886 KB	XML text
Paramify-SSP-Polici...Procedures-CMMC	Yesterday, 8:25 PM	-	Folder
Paramify-SSP-Polici...cedures-CMMC.zip	Today, 2:23 AM	7.7 MB	ZIP archive

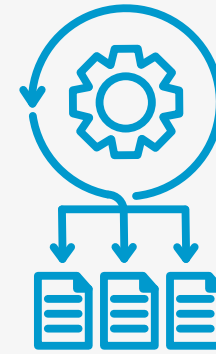
Link Risk Solutions

AWS ISSO Inherited Implemented

Activity



STANDARDIZATION WITH OSCAL



Requirements

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pages.nist.gov/OSCAL



OSCAL unlocks complete and accurate deliverables with unrivaled speed and ease.

120 mi

Q & A



THANK YOU

We'll see you next time!



<https://paramify.com>



@kenny-g-scott



@kenny_g_scott



@Paramify



@kenny_g_scott



kenny@paramify.com





PARAMIFY

ENABLE TRUST