

# BulkMetadataManager 1.0.0 Release Notes

2022/04/29

1. Introduction.....	3
2. About BulkMetadataManager.....	3
3. Supported Environments .....	4
3.1 Supported Operating Systems.....	4
3.2 Supported SharePoint Versions.....	4
3.3 Supported Authentication methods.....	4
4. Releases.....	5
4.1 Initial release (1.0.0).....	5
5. Known Issues .....	6

## 1. Introduction

This document describes the release notes for BulkMetadataManager 1.0.0 and provides the latest information on the SharePoint tool.

## 2. About BulkMetadataManager

BulkMetadataManager is a node.js application that uses REST API to interact with SharePoint. The tool can extract properties from documents stored in SharePoint and capture the values into SharePoint columns. This allows for optimal use of the metadata for searching, filtering, sorting etc... and this results in increased user productivity and adoption.

The documents that need to be processed are selected using a CAML query. The tool is optimized for performance by using parallel requests, caching, and batch requests. It also caters for SharePoint throttling (429 responses) and the tool can handle large list exceeding the list view threshold.

The WhatIf option allows for running the tool without the final step to add the metadata into SharePoint columns. The extracted metadata is saved into a csv for further review and analysis.

The target audience for this document comprises SharePoint architects, SharePoint administrators and site collection administrators.

### 3. Supported Environments

This section provides information on the supported environments. The tool is a node.js application and runs on a separate system, it does not require installation of software on SharePoint. The installation instructions are described in “BulkMetadataManager 1.0. Administrator Guide”.

#### 3.1 Supported Operating Systems

BulkMetadataManager is supported on the following operating systems.

Operating system	Supported	Notes
Windows 10	✓	
Windows 11	✓	
Windows Server 2016		
Windows Server 2019		
Windows Server 2022		

Operating systems not listed are not supported.

#### 3.2 Supported SharePoint Versions

The following SharePoint versions are supported.

Versions	Supported	Notes
SharePoint Online (Office 365)	✓	

SharePoint versions not listed have not been tested and are not supported.

#### 3.3 Supported Authentication methods

The following authentication methods are supported.

Method	Supported	Notes
App Only* authentication	✓	

\*Using clientID and clientSecret

Other authentication methods not listed are not supported.

## 4. Releases

This section provides an overview of the new features and bug fixes per release.

### 4.1 Initial release (1.0.0)

1. Support for SharePoint Online with App Only authentication (using clientID and clientSecret).
2. Support for extracting email properties (From, Subject, Sent, ...) from emails (msg and eml) stored in SharePoint Online and capturing the values into SharePoint columns.
3. WhatIf functionality to test the tool without updating the email metadata in SharePoint. The extracted email metadata is written to a csv file for further review and analysis.
4. Select documents for processing using CAML.
5. Optimized performance by using parallel processes, caching, and batch requests.
6. Control performance by setting the number of download and metadata threads.
7. Support for large lists (exceeding list view threshold).
8. Support for continuing after being throttled by SharePoint. The requests will automatically start after the specified retry period has expired.
9. Logging.

## 5. Known Issues

This section lists known issues.

1. The optimum number of parallel threads for downloads and setting metadata depends on several factors:
  - sizes of the documents involved
  - latency between the system running node.js and SharePoint
  - available bandwidth to the SharePoint system
  - time of the run.

The throttling limits seems to depend on the load on SharePoint. During non-Office hours the limits seem to be less strict.

It is recommended to start the tool with 3 download and 3 metadata threads and adjust these values (upwards or downwards) based on the findings.

---

SLIM Applications B.V.  
Rotterdamseweg 402Y  
2629 HH Delft, The Netherlands  
<https://www.slimapplications.com/>  
info@slimapplications.com