



# Using a Name Generator

11.1

January 2026

## DOCUMENT ACCESS

Public

## DISCLAIMER

The contents of this document are under copyright of Critical Manufacturing S.A. It is released on condition that it shall not be copied in whole, in part or otherwise reproduced (whether by photographic, or any other method) and the contents therefore shall not be divulged to any person other than that of the addressee (save to other authorized offices of his organization having need to know such contents, for the purpose for which disclosure is made) without prior written consent of submitting company.

# Using a Name Generator

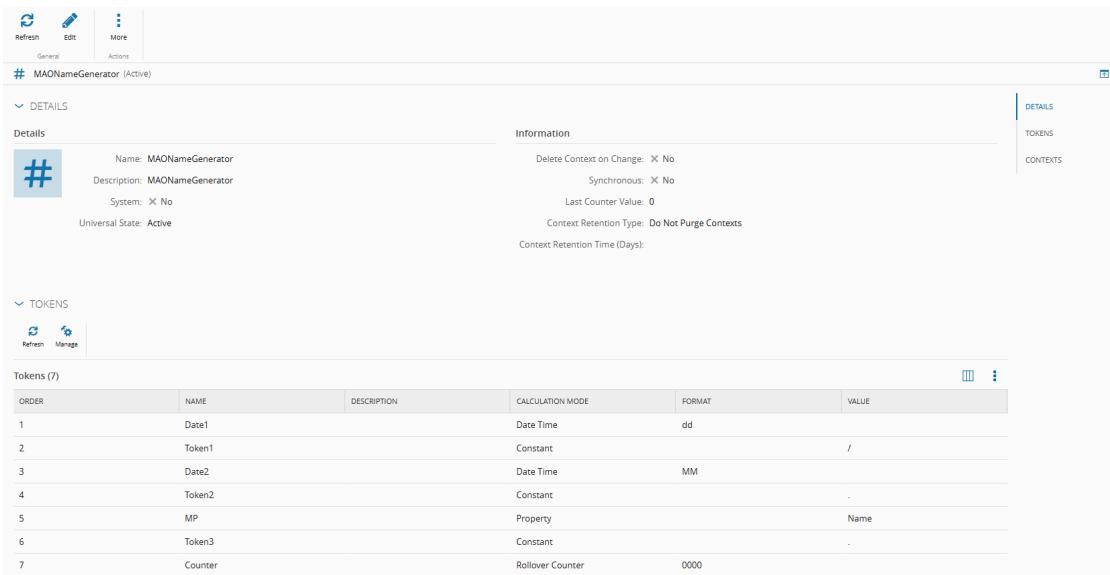
*Estimated time to read: 3 minutes*

## Importance

In the context of CM MES, the **Name Generator** plays an important but often overlooked role in ensuring data consistency, traceability, and standardization across manufacturing operations.

The **Name Generator** feature is important for several key reasons:

1. **Unique Object Naming** - the **Name Generator** provides a mechanism to generate unique and consistent names for objects in the CM MES system. This ensures that each object has a distinct identifier that follows a predefined naming convention.
2. **Automatic Name Generation** - the **Name Generator** can automatically create names for various entities, including:
  - Change Set names for versioned objects.
  - Default names for objects during creation (for example the creation of a **Maintenance Activity Order** named 01/10-Annual Maintenance.0001 - composed of a date, the name of the **Maintenance Plan**, and a counter):



ORDER	NAME	DESCRIPTION	CALCULATION MODE	FORMAT	VALUE
1	Date1		Date Time	dd	
2	Token1		Constant		/
3	Date2		Date Time	MM	
4	Token2		Constant		.
5	MP		Property		Name
6	Token3		Constant		.
7	Counter		Rollover Counter	0000	

3. **Customization Options** - allows the configuration of naming rules for different entities, provides flexibility in how names are generated, and can be configured with multiple tokens to create complex naming patterns (see image above).
4. **Administrative Control** - enables administrators to define precise naming rules, can set context retention types (example, purge contexts after a certain time), and supports synchronous naming to ensure transactional integrity.

## Good Practice

Additionally, there are many good practices why you should use a **Name Generator** with Critical Manufacturing MES.

These range from:

- **Uniqueness and Traceability** - in manufacturing, every batch, work order, lot, material, or piece of equipment needs a unique identifier. The use of a name generator prevents duplication and ensures that every item can be traced throughout the production lifecycle. This is critical for industries like pharmaceuticals, aerospace, or food & beverage, where compliance and recall tracking are mandatory.
- **Standardization** - MES systems often integrate with ERP, SCADA, and quality systems. Standardized naming conventions (generated systematically) reduce errors in communication between systems. For example, lot numbers generated with embedded metadata (date, line, product code) make it easier to identify and analyze production data.
- **Regulatory Compliance** - many regulated industries (FDA, ISO, automotive standards) require strict traceability. Automatically generated names ensure consistent documentation for audits and regulatory reporting.
- **Efficiency and Error Reduction** - manual naming introduces human error-duplicates, typos, and inconsistencies. Automated generators eliminate this risk, thus reducing downtime and rework.
- **Scalability** - as production scales, so does the volume of identifiers (example: thousands of serial numbers daily). A systematic generator can handle this volume reliably, while manual naming would collapse under the scale.
- **Embedded Information** - name generators can encode useful information (example: production line, timestamp, shift, product type, and others). This makes names self-descriptive, improving analysis and troubleshooting without always needing to query the MES database.

Moreover, as a customer, you want to use conventions for names in operations such as split, expand, creation of lots and others. By using the **Name Generator** feature you can cater for this need and guarantee the uniqueness of names.

## How to Create a Name Generator

To create a **Name Generator** follow the steps set out in the [Name Generators](#) page.

Here you can also see how tokens are used and managed to best suit your needs.

You can also explore some sample use cases in the next section: [Use Cases](#)



# Legal Information

## **Disclaimer**

The information contained in this document represents the current view of Critical Manufacturing on the issues discussed as of the date of publication. Because Critical Manufacturing must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Critical Manufacturing, and Critical Manufacturing cannot guarantee the accuracy of any information presented after the date of publication. This document is for informational purposes only.

Critical Manufacturing makes no warranties, express, implied or statutory, as to the information herein contained.

## **Confidentiality Notice**

All materials and information included herein are being provided by Critical Manufacturing to its Customer solely for Customer internal use for its business purposes. Critical Manufacturing retains all rights, titles, interests in and copyrights to the materials and information herein. The materials and information contained herein constitute confidential information of Critical Manufacturing and the Customer must not disclose or transfer by any means any of these materials or information, whether total or partial, to any third party without the prior explicit consent by Critical Manufacturing.

## **Copyright Information**

All title and copyrights in and to the Software (including but not limited to any source code, binaries, designs, specifications, models, documents, layouts, images, photographs, animations, video, audio, music, text incorporated into the Software), the accompanying printed materials, and any copies of the Software, and any trademarks or service marks of Critical Manufacturing are owned by Critical Manufacturing unless explicitly stated otherwise. All title and intellectual property rights in and to the content that may be accessed through use of the Software is the property of the respective content owner and is protected by applicable copyright or other intellectual property laws and treaties.

## **Trademark Information**

Critical Manufacturing is a registered trademark of Critical Manufacturing.

All other trademarks are property of their respective owners.