# MEF LSO API Onboarding & Interop Test (OIT) Service

## OVERVIEW

MEF's LSO API Onboarding & Interop Test (OIT) Service offers an efficient, predictable, and scalable solution that providers can use to test compliance of their implementation of LSO Sonata/Cantata business APIs and perform pre-interop testing with partners at any time. The solution consists of LSO Sonata/Cantata buyer and seller software-based emulators hosted on a dedicated public cloud server. MEF OIT Service speeds up testing of companies' own implementations and significantly decreases the time to onboard new partners.

The MEF OIT Service moves service providers through implementation and partner onboarding stages of the LSO Sonata/Cantata adoption lifecycle, including the critical "develop and test" and "production" phases. The end goal? Being production-ready with multiple partners in a significantly abbreviated timeframe.

Built on the nBrace™ Inter-Provider Automation solution from Amartus, a MEF-Authorized Test and Certification Partner, the MEF OIT Service performs the following roles:

### Accelerate Your LSO Sonata Implementation

MEF LSO Sonata APIs automate inter-provider business functions such as quote, inventory, ordering, and billing. More than 145 service providers are now in some stage of the LSO Sonata adoption lifecycle. MEF forecasts 70+ to be in production with LSO Sonata APIs by the end of 2024. Many of these companies have said an onboarding and interop test service is a "must have" to accelerate LSO market adoption.

### LSO SONATA FAMILIARIZATION
Run the buyer and seller emulators with default configurations (test requests/ response and product payloads) to get familiar with LSO Sonata APIs.

### IMPLEMENTATION TESTING
Perform self-assessment by testing against MEF's reference implementation of LSO Sonata/Cantata.

### PARTNER INTEROP TESTING
(1) Prepare an emulator configuration to match specific scenarios/ configurations so this can be shared with partners and (2) Load partner-specific configurations shared by partners for interop testing.

## FEATURES OF MEF OIT SERVICE

- Possibility to test the entire LSO Sonata/Cantata process, including: serviceability, quoting, and ordering

- Timely LSO Sonata/Cantata release support (currently supports Billie, Dolly, Ella, Fergie)

- Pre-configured with MEF Access E-line product example

- Product Definitions Onboarding: supports any product (standard & non-standard) through import of product packages (product schema & validation rules)
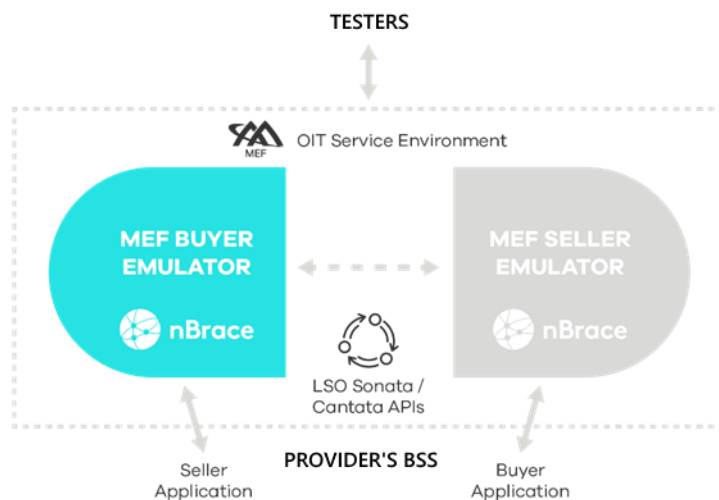
### Buyer Emulator

- Postman™ API test framework with default test suites based on MEF W92.1 (LSO Sonata Test Requirements Specification)

### Seller Emulator

- Preconfigured responses for default test suites based on MEF W92.1

- Configurable Address, Site, Products DB for Address Validation, Site and Product Retrieval testing

- Configurable Action Rules for handling requests & building emulated responses

## BENEFITS OF MEF OIT SERVICE

- **Fast standard familiarization and accurate evaluation**; work with MEF's reference implementations, example configuration, and working test cases of LSO Sonata/ Cantata instead of specification documents from day 1

- **Greatly reduce implementation times**; avoid costly mis-interpretations/reworks

- **Minimize partner interop test cycle times**; create & share pairwise default emulator configs or import Partner's config to test against

- **Test all LSO Sonata/Cantata processes & APIs** against MEF's standardized or partner-specific configurations & products prior to going into production

- **On-board many partners in parallel**, enable them to independently test against your default config

- **Stay up to date with your MEF LSO implementation** by developing and testing against new LSO releases