

# INRULE® DECISIONING OVERVIEW

## Empowering Businesses to Respond to Market Changes from Anywhere, Without Code



### INRULE DECISIONING PROVIDES:

- Complex conditional logic
- Complex calculations
- 225+ built-in functions
- User defined functions
- Business language authoring
- Decision tables
- Rule flow
- Rule versioning
- Testing, debugging and tracing
- Support for lookups and one-to-many relationships plus aggregates like sum, min, max and average
- Robust rule management
- Role-based security

Since 2002, InRule Technology® has empowered organizations to keep pace with changing requirements by allowing rules and calculations to be updated quickly and easily, without complex code modifications

By empowering technical and business users to automate applications without coding, InRule makes it possible for organizations to make faster, more effective decisions. IT and business personnel use the InRule® to increase productivity, grow revenues and improve customer service.

More than 500 members of the InRule User Community rely on InRule to reduce development and change cycles by up to 90 percent for their core systems and customer-facing applications.

## Automate Decision Logic Without Code

InRule Decisioning separates decision logic from application code and implements it as business rules. With InRule, business users and developers can more easily author and manage decision logic, making the logic that supports business decisions more consistent, transparent, and sharable.

**PICK A PLATFORM** from the cloud, via mobile, or on-premises, InRule empowers organizations to leverage the power of rules anywhere.

**INRULE FOR JAVASCRIPT** was the first commercial BRMS to execute natively in JavaScript. For both web developers and mobile developers, InRule for JavaScript makes it easy to author, deploy, and execute logic for both the client-side and server-side. When used with mobile apps, it allows rules to execute when the device is disconnected, providing rich functionality to the end user, regardless of connectivity.

**INRULE FOR SALESFORCE®** provides the ability to create and maintain automated decisions for Salesforce. As the only enterprise-grade BRMS for Salesforce, **InRule for Salesforce** empowers non-technical users to author business rules for Salesforce without the need for Apex™ code modifications.

**INRULE FOR MICROSOFT DYNAMICS 365®** is optimized for .NET. InRule leverages and extends investments in key Microsoft technologies including Microsoft Dynamics® 365 and Word. Microsoft Dynamics 365 users, solution seller and developers can customize Microsoft Dynamics 365 with **InRule for Microsoft Dynamics 365**. It fully leverages InRule’s rule authoring component, irAuthor®, and its high-performance execution engine, irServer®.



InRule makes business language authoring intuitive and easy to use

with irSDK the rule engine can be called with as few as 5 lines of code

```

private void CallRule(Employee e)
{
    try
    {
        var connectionString = ConfigurationManager.ConnectionStrings["RepositoryAPI"].ConnectionString;
        //create rule application
        var ruleapp = new CatalogRuleApplicationReference(connectionString, "TravelPortal", "admin", "password");
        //create instance of rule engine
        using (var rulesession = new RuleSession(ruleapp))
        {
            var ent = rulesession.CreateEntity("Employee", e);
            var log = rulesession.ApplyRules();
        }
    }
    catch { }
}
    
```

## Author, Deploy, Execute and Analyze with a Complete Decision Platform

### AUTHOR

InRule has made it easy for anyone to author, anywhere. With irAuthor, InRule offers rule authoring for a spectrum of business rule authors—from business users to analysts and developers.

With Author Studio™, subject matter experts can author and edit business rules quickly and easily—from virtually any location. Its intuitive web interface allows for quick and agile updates to business logic without the need for code.

#### irAuthor capabilities include:

- A FLEXIBLE INTERFACE THAT IS CONFIGURABLE BY USERS AND EXTENSIBLE BY DEVELOPERS
- INTUITIVE BUSINESS LANGUAGE AUTHORIZING, DECISION TABLES AND CUSTOMIZABLE RULE TEMPLATES
- INTEGRATED, REAL-TIME TESTING AND RULE EXECUTION TRACING WITH IRVERIFY®



#### Author Studio capabilities include:

- BUSINESS LANGUAGE RULES AUTHORED (AND EDITED) FROM ANY LOCATION FOR SPEED AND CONVENIENCE
- DECISION TABLE EDITING FOR STREAMLINING THE NAVIGATION OF LARGE, COMPLEX DECISIONS
- DECISION TABLE FILTERING THAT MAKES EDITING DECISION EXECUTION ORDER AS EASY AS REORDERING A PLAYLIST
- A NATURAL LANGUAGE EDITOR THAT LEVERAGES INRULE'S UNIQUE VOCABULARY FEATURE
- VALIDATE ON CHECK-IN FEATURE THAT ENSURES RULES ARE COMPLIANT WITH RULE ENGINE COMPOSITION REQUIREMENTS

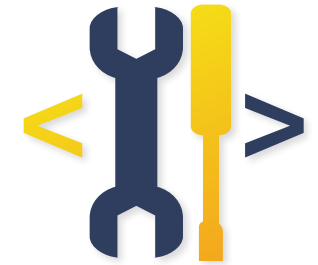
### STORE

InRule's catalog, irCatalog®, provides centralized rule management and administration to store, version, set permissions, check-in and check-out rules—all at a granular level. The Catalog Manager makes it easy to promote rules from one environment to another. irCatalog creates a natural bridge between irAuthor and Author Studio.



### INTEGRATE

Only a few lines of code are needed to call InRule from an application, and InRule's rich SDK, irSDK®, enables developers and solution providers to include custom rule authoring and maintenance capabilities within their own applications, making them highly customizable. InRule is also built to be embedded in ISV products and delivered in an OEM mode.



### EXECUTE

irServer, InRule's business rule engine, offers high performance, efficient memory and performance tuning options that allow InRule to be used effectively in high-volume environments..



### ANALYZE

InRule Metrics provides analytics for actionable intelligence and continuous improvement of automated decisions. Track vital KPIs and analyze the results of automated decisions, so you can take optimized, data-driven action. Demonstrate how your business rules are being applied—without sifting through code. And adjust your rules as needed, based on a continuous feedback loop.

