

MASTERCLASS

# Agentforce DX

De Cero a Agente con Pro-Code Tools

Agent Script

LWC

Testing

Lightning Types

Auth & Keys

LIVE CODING

# Agenda

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**Parte 1**

## **Agentforce DX**

Proyecto · Agent Script · Deploy · Preview · Testing · Skills

**Parte 2**

## **Custom Lightning Types**

Lightning Types · LWC Editor · LWC Renderer · Wiring

**Parte 3**

## **Seguridad: MFA Anti-Phishing**

Passkeys · Enforcement · Métodos válidos · Acciones

# Por qué Agentforce DX

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- 1 **Los agentes son metadata**, igual que Flows, Apex y LWC.
- 2 **Agent Script (.agent)** es el blueprint declarativo del agente.
- 3 **Source control, CI/CD** y trabajo local con VS Code.
- 4 **Flujo híbrido**: low-code (Builder UI) y pro-code (CLI), en ambos sentidos.
- 5 **Git es la fuente de verdad**.

 [developer.salesforce.com/docs/ai/agentforce/guide/agent-dx.html](https://developer.salesforce.com/docs/ai/agentforce/guide/agent-dx.html)

# Crear el proyecto

```
sf project generate \  
  --name agentforce-masterclass \  
  --template agent
```

```
force-app/main/default/  
├─ aiAuthoringBundles/   ← Agent Script  
├─ classes/              ← Apex actions  
├─ flows/                ← Flow actions  
├─ genAiPlannerBundles/  
├─ genAiPromptTemplates/  
└─ permissionsets/
```

El template genera un agente funcional de ejemplo: **Local Info Agent**.

[developer.salesforce.com/docs/ai/agentforce/guide/agent-dx-set-up-env.html](https://developer.salesforce.com/docs/ai/agentforce/guide/agent-dx-set-up-env.html)

# Agent Script · Anatomía

**system:** Prompt, welcome message, error message

**config:** Developer name, label, default agent user

**variables:** Estado mutable de la conversación

**start\_agent:** Router: reasoning con transiciones

**subagent:** Lógica delegada con instrucciones propias

*"El Agent Script es declarativo: el LLM interpreta las descripciones para tomar decisiones."*

[developer.salesforce.com/docs/ai/agentforce/guide/agent-script-reference.html](https://developer.salesforce.com/docs/ai/agentforce/guide/agent-script-reference.html)

# Deploy y Preview

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```
# Deploy to org
sf project deploy start --source-dir force-app

# Preview agent
sf agent preview
```

**Simulated mode** mockea acciones sin tocar datos. **Live mode** ejecuta contra el org real. **Agent Tracer** muestra las decisiones del LLM.

 [developer.salesforce.com/docs/ai/agentforce/guide/agent-dx-nga-preview.html](https://developer.salesforce.com/docs/ai/agentforce/guide/agent-dx-nga-preview.html)

# Testing + Agent Skills

## Testing con CLI

`sf agent generate test-spec`

Genera YAML con utterances esperadas

`sf agent test create / run`

Métricas: topic accuracy, action accuracy

```
sf project retrieve start \  
-m GenAiPlannerBundle \  
-m GenAiPlugin -m Bot
```

## Salesforce Agent Skills

`developing-agentforce`

`testing-agentforce`

`observing-agentforce`

```
npx skills add \  
forcedotcom/sf-skills
```

*Skills para Claude Code, Cursor y Codex*

 [github.com/forcedotcom/sf-skills](https://github.com/forcedotcom/sf-skills)

# Custom Lightning Types

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- 1 **Por defecto:** texto entra, texto sale.
- 2 **Con CLT:** formularios LWC para inputs, tarjetas visuales para outputs.
- 3 **3 capas:** Agent Script → Lightning Type → LWC.
- 4 **Sin override:** UI default automática. **Con override:** control total.
- 5 Si un nombre no coincide, **cae silenciosamente a texto plano.**

 [developer.salesforce.com/docs/platform/lightning-types/guide/lightning-types-core.html](https://developer.salesforce.com/docs/platform/lightning-types/guide/lightning-types-core.html)

# Lightning Types · Paso a Paso

1

## Crear Lightning Type (Setup)

Setup → Lightning Types → New → Object → Definir propiedades JSON

Setup UI

2

## Conectar LWC (editor.json / rendererer.json)

Crear carpeta lightningDesktopGenAi/ con archivos JSON que apuntan al LWC

Solo por código

3

## LWC Editor (Input)

Target: lightning\_\_AgentforceInput · Evento valuechange obligatorio

Solo por código

4

## LWC Renderer (Output)

Target: lightning\_\_AgentforceOutput · @api value inyectado por la plataforma

Solo por código

5

## Agent Script / Agent Action






is\_user\_input: True + complex\_data\_type\_name + is\_displayable: True

Código o Setup UI

[developer.salesforce.com/blogs/2026/05/use-custom-lightning-types-in-agent-script-for-rich-agent-ui](https://developer.salesforce.com/blogs/2026/05/use-custom-lightning-types-in-agent-script-for-rich-agent-ui)

# MFA Anti-Phishing

Salesforce está enforcing autenticación phishing-resistant para proteger contra ataques de identidad con IA.

	<b>Passkeys (Built-in Authenticators)</b> Touch ID, Face ID, Windows Hello	Phishing-Resistant
	<b>Security Keys (Hardware)</b> YubiKey, Google Titan (FIDO2 / WebAuthn)	Phishing-Resistant
	<b>Salesforce Authenticator / TOTP Apps</b> SF Authenticator, Google Authenticator	Standard MFA
	<b>Password Managers con Passkeys</b> 1Password, Bitwarden, iCloud Keychain	Phishing-Resistant
	<b>SMS / Email OTP</b> Códigos por mensaje de texto o email	NO aceptado

[help.salesforce.com/s/articleView?id=005321563](https://help.salesforce.com/s/articleView?id=005321563)

# Fechas y Acciones

<b>Sandbox</b>	<b>22 jun 2026</b>	Admins + privilegiados
<b>Production</b>	<b>1 jul 2026</b>	Admins + privilegiados
<b>Sandbox</b>	<b>22 jun 2026</b>	Todos los empleados
<b>Production</b>	<b>20 jul 2026</b>	Todos los empleados

## Acciones recomendadas

- Habilitar Built-in Authenticators en Setup → Identity Verification
- Que los admins registren su passkey ANTES de las fechas
- Si usan SSO: verificar señales AMR/ACR phishing-resistant en el IdP
- Comprar security keys de backup (~USD 25-50 c/u, 2 por usuario)

[salesforceben.com/june-2026-security-requirements](https://salesforceben.com/june-2026-security-requirements)

# Documentación y Links

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## Agentforce DX

DX Guide	<a href="https://developer.salesforce.com/docs/ai/agentforce/guide/agent-dx.html">developer.salesforce.com/docs/ai/agentforce/guide/agent-dx.html</a>
Agent Script Reference	<a href="https://developer.salesforce.com/.../agent-script-reference.html">developer.salesforce.com/.../agent-script-reference.html</a>
Trailhead: Pro-Code Agents	<a href="https://trailhead.salesforce.com/.../create-an-agent-using-pro-code-tools">trailhead.salesforce.com/.../create-an-agent-using-pro-code-tools</a>

## Lightning Types

Dev Guide	<a href="https://developer.salesforce.com/.../lightning-types-core.html">developer.salesforce.com/.../lightning-types-core.html</a>
CLT Blog Post	<a href="https://developer.salesforce.com/blogs/2026/05/...custom-lightning-types...">developer.salesforce.com/blogs/2026/05/...custom-lightning-types...</a>
Agent Script Recipes	<a href="https://github.com/trailheadapps/agent-script-recipes">github.com/trailheadapps/agent-script-recipes</a>

## Seguridad MFA

Phishing-Resistant MFA	<a href="https://help.salesforce.com/s/articleView?id=005321563">help.salesforce.com/s/articleView?id=005321563</a>
MFA All Employees	<a href="https://help.salesforce.com/s/articleView?id=005321561">help.salesforce.com/s/articleView?id=005321561</a>

## Skills & Tools

SF Agent Skills	<a href="https://github.com/forcedotcom/sf-skills">github.com/forcedotcom/sf-skills</a>
Summer '26 Dev Guide	<a href="https://developer.salesforce.com/blogs/2026/06/...summer-26-release">developer.salesforce.com/blogs/2026/06/...summer-26-release</a>

Tip: **sf update** antes de la masterclass



## Masterclass Agentforce DX

De Cero a Agente con Pro-Code Tools

[VANTEGRATE.COM](https://vantebrate.com)