兼容性检查

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在初始化之前，插件应检查其基本要求是否满足。如果这些要求未满足，插件不应运行。

Basic Checks

Since the addon extends Elementor’s core functionality, it should check to make sure that both the Elementor and PHP versions are compatible.

```
final class Plugin {

	/**
	 * Minimum Elementor Version
	 *
	 * @since 1.0.0
	 * @var string Minimum Elementor version required to run the addon.
	 */
	const MINIMUM_ELEMENTOR_VERSION = '3.20.0';

	/**
	 * Minimum PHP Version
	 *
	 * @since 1.0.0
	 * @var string Minimum PHP version required to run the addon.
	 */
	const MINIMUM_PHP_VERSION = '7.4';

	/**
	 * Constructor
```

```
	 *
	 * Perform some compatibility checks to make sure basic requirements are meet.
	 * If all compatibility checks pass, initialize the functionality.
	 *
	 * @since 1.0.0
	 * @access public
	 */
	public function __construct() {

		if ( $this->is_compatible() ) {

			// Run init process here...

		}

	}

	/**
	 * Compatibility Checks
	 *
	 * Checks whether the site meets the addon requirement.
	 *
	 * @since 1.0.0
	 * @access public
	 * @return bool
	 */
	public function is_compatible(): bool {

		// Check if Elementor is installed and activated
		if ( ! did_action( 'elementor/loaded' ) ) {
			add_action( 'admin_notices', [ $this, 'admin_notice_missing_main_plugin' ] );
			return false;
		}

		// Check for required Elementor version
		if ( ! version_compare( ELEMENTOR_VERSION, self::MINIMUM_ELEMENTOR_VERSION, '>=' ) ) {
			add_action( 'admin_notices', [ $this, 'admin_notice_minimum_elementor_version' ] );
			return false;
		}
```

```
		// Check for required PHP version
		if ( version_compare( PHP_VERSION, self::MINIMUM_PHP_VERSION, '<' ) ) {
			add_action( 'admin_notices', [ $this, 'admin_notice_minimum_php_version' ] );
			return false;
		}

		return true;

	}

	/**
	 * Admin notice
	 *
	 * Warning when the site doesn't have Elementor installed or activated.
	 *
	 * @since 1.0.0
	 * @access public
	 */
	public function admin_notice_missing_main_plugin(): void {

		if ( isset( $_GET['activate'] ) ) unset( $_GET['activate'] );

		$message = sprintf(
			/* translators: 1: Plugin name 2: Elementor */
			esc_html__( '"%1$s" requires "%2$s" to be installed and activated.', 'elementor-test-addon'
			'<strong>' . esc_html__( 'Elementor Test Addon', 'elementor-test-addon' ) . '</strong>',
			'<strong>' . esc_html__( 'Elementor', 'elementor-test-addon' ) . '</strong>'
		);

		printf( '<div class="notice notice-warning is-dismissible"><p>%1$s</p></div>', $message );

	}

	/**
	 * Admin notice
	 *
	 * Warning when the site doesn't have a minimum required Elementor version.
	 *
	 * @since 1.0.0
	 * @access public
```

```
	 */
	public function admin_notice_minimum_elementor_version(): void {

		if ( isset( $_GET['activate'] ) ) unset( $_GET['activate'] );

		$message = sprintf(
			/* translators: 1: Plugin name 2: Elementor 3: Required Elementor version */
			esc_html__( '"%1$s" requires "%2$s" version %3$s or greater.', 'elementor-test-addon' ),
			'<strong>' . esc_html__( 'Elementor Test Addon', 'elementor-test-addon' ) . '</strong>',
			'<strong>' . esc_html__( 'Elementor', 'elementor-test-addon' ) . '</strong>',
			 self::MINIMUM_ELEMENTOR_VERSION
		);

		printf( '<div class="notice notice-warning is-dismissible"><p>%1$s</p></div>', $message );

	}

	/**
	 * Admin notice
	 *
	 * Warning when the site doesn't have a minimum required PHP version.
	 *
	 * @since 1.0.0
	 * @access public
	 */
	public function admin_notice_minimum_php_version(): void {

		if ( isset( $_GET['activate'] ) ) unset( $_GET['activate'] );

		$message = sprintf(
			/* translators: 1: Plugin name 2: PHP 3: Required PHP version */
			esc_html__( '"%1$s" requires "%2$s" version %3$s or greater.', 'elementor-test-addon' ),
			'<strong>' . esc_html__( 'Elementor Test Addon', 'elementor-test-addon' ) . '</strong>',
			'<strong>' . esc_html__( 'PHP', 'elementor-test-addon' ) . '</strong>',
			 self::MINIMUM_PHP_VERSION
		);

		printf( '<div class="notice notice-warning is-dismissible"><p>%1$s</p></div>', $message );

	}
```

```
}
```

You can add as many compatibility checks as needed, the best example is Elementor Pro, but it can be anything. If one of the basic requirements fails, the addon shouldn't run.

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