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thirds are losing out. If your clients' activities and expenses qualify and they've maintained assiduous documentation, they can realize substantial tax savings...

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**By Heidi Henderson**

If your clients are in the field of software development, you might be pleased to learn that federal **research and development (R&D) tax credits** (designed to stimulate technological innovation in the United States) can reimburse them for developing

new products, processes, or inventions; the credits can return a significant

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## External Software Criteria

An excellent example of external software is Microsoft. External software is intended for sale, lease, or license to customers. The IRS will accept the credit if the research passes this four-part test:

- It must be *technological in nature*: The activity must rely on hard sciences, such as engineering, physics, or computer science.
- It must involve *a new or improved business component*: Your client must demonstrate there was an intention to develop a new or improved product or process, not a simple aesthetic change.
- It must involve *the process of experimentation*: The client must evaluate alternatives through modeling, simulation, testing, or other methods.
- It must pass *the technical uncertainty test*: The client must eliminate technical uncertainty via research. The client must explain how he or she strove to achieve the desired outcome and how he or she reached that goal.

The IRS applies the four-part test to each business component—that is, each individual software version or module developed. Here are some examples of external-use software applications that may qualify:

- document management systems
- educational software
- marketing software
- firmware

## Internal Software Criteria

Internal use software is devised to support a business internally. It can be used for

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Internal use software must meet not only the four-part research test above, but also a heightened three-part test:

1. The software must be highly innovative.
2. Its development must introduce significant economic risk.
3. A similar product must not be available commercially.

To determine the presence of significant economic risk, the internal software must pass an additional two-part test:

1. Your client's company must commit significant resources.
2. Substantial uncertainty must be involved. Can the R&D investment be recouped within a reasonable amount of time?

## **Qualifying Activities**

Here are some examples of R&D activities that the IRS deems as qualifying for the credit:

- Alpha/beta testing
- Application and platform design and testing
- Coding, programming, testing (such as for functional, integration, or user interface purposes)
- Developmental cloud computing activities
- New architectures, new algorithms, or new database management techniques
- Software and hardware product development to further communication and interaction
- Specialized technology design (such as for image processing, artificial intelligence, or speech recognition)

- System software development (for example, operating systems or compilers)

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Expenses could include cloud computing costs and costs associated with offsite servers.

It's important to note that the R&D tax credit is primarily a *wage-driven* credit. The lion's share of R&D expenses is derived from the cost of paying eligible employees and consultants. However, for the purposes of applying for the R&D tax credit, all employees and consultants must be based in U.S., not India or another outsourcing location.

A few other points:

- Funded research is disqualified.
- If your client is also claiming [the Employee Retention Credit](#), that can reduce the amount of the R&D credit the client might be entitled to, because the ERC reduces wage costs.
- In addition, the client must own the intellectual property rights to the platform being constructed.

Above all else, *documentation is key*. Your client must have substantiation to defend the credit and support it when filing for the credit. The client should:

- Track the list of projects or revisions. Each version of the release would be a new project.
- Keep a list of projects and what the staff members are working on.
- Have time tracking in place.
- Include employee titles.

Potentially qualifying R&D job titles could include:

- Director of Software Engineering

- Programmer

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maintained assiduous documentation, substantial tax savings can be realized—which can then be put back into the client's business, so that the client can undertake even more research and win additional R&D tax credits! It's a virtuous circle.

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